SAMSUNG CX-5944W

MODEL

SERVICE MANUAL

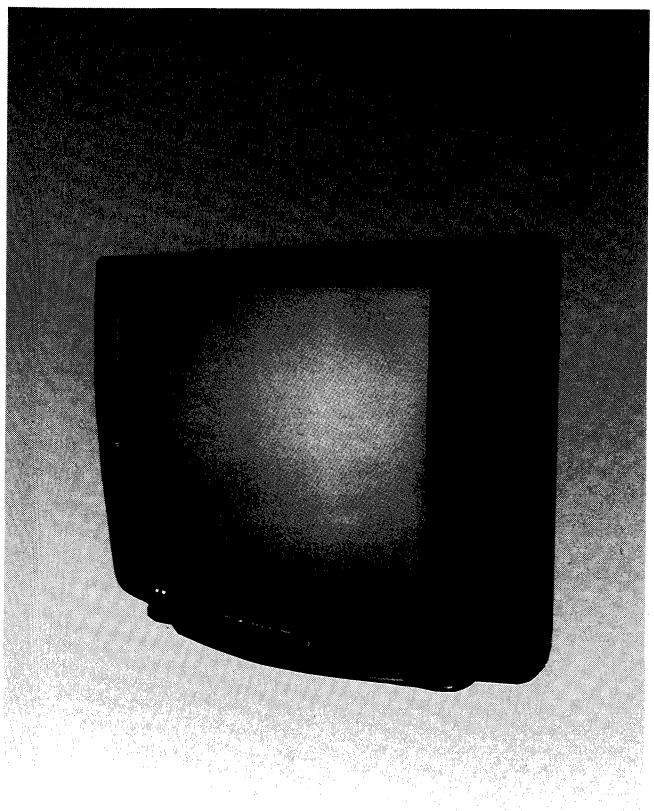
SAMSUNG

COLOR TELEVISION RECEIVER

CHASSIS : SCT12B

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances),* and Underwriters Laboratories *(UL Publication UL1410, 59.7).*

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

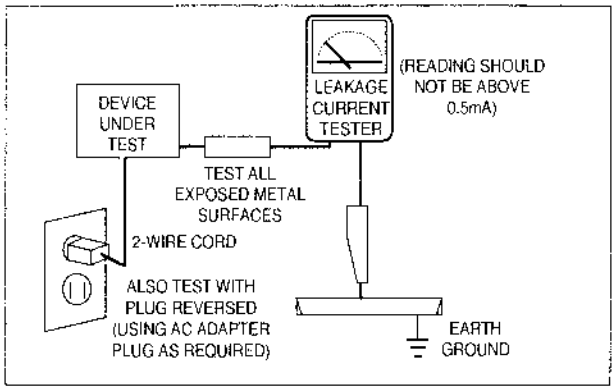

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the *X-ray Protection Specifications Label,* and the *Product Safety and X-ray Warning Notes* on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

Memo

2. Specifications and IC Data

2-1 Specifications

Television System:

MODEL	SYSTEM
CI	PAL-I (UHF)
CII	PAL-I (VHF/UHF)
CX	PAL-B/G, SECAM-B/G
CK	PAL-B/G, D/K, SECAM-B/G, D/K
CW	PAL-B/G, D/K, SECAM-B/G, D/K, NT 4.43
CS	PAL-B/G, D/K, PAL-I, SECAM-B/G, D/K, NT4.43, NT3.58

Channels:

System / Band	PAL/SECAM-B/G,I	PAL, SECAM- D/K	SECAM-K1, PAL-D	NTSC - M
VHF	2 - 12	1 - 13	2 - 9	2 - 13
UHF	21 - 69	21 - 69	13 - 57	14-69

Intermediate Frequencies (MHz) :

SYSTEM / IF Carrier Frequency	PAL/ SECAM- B/G	PAL/SECAM-D/K, SECAM-K1	PAL - I	NTSC - M
Picture IF Carrier	38.90	38.90	38.90	38.90
Sound IF Carrier	33.40	32.40	32.90	34.40
Color Sub Carrier	34.47	34.47	34.47	35.32

Picture Tube:

25 Inch	A59KPR84X05 (B)	SED CPT	Quick start, In-line-gun, Black stripe, 110° degree deflection
	A59EAK71X01	PHILIPS CPT	
28/29 Inch	A68KVM74X02 (B)	SED CPT	
	A66EAK71X01	PHILIPS CPT	

Power Requirements: AC 100~260V, 50/60Hz

Antenna Input Impedance: VHF, UHF : Telescopic dipole antenna (75 ohm unbalanced type)

Speaker Impedance 8 ohm, 10W+10W (Semi-Dome)

2-2 IC Line Up

Table 2-1 IC Line-Up

Loc. No	Specification	Description	Remark
HIC101	PAP101T	IF PRE-AMP	
IC201	TDA8374A	PAL-B/G, SECAM-B/G	
	TDA8374A	PAL-B/G, SECAM-B/G, NTSC	
	TDA8374	PAL-B/G, SECAM-B/G, NTSC, SECAM-L	
	TDA8375A	PAL-B/G, SECAM-B/G, NTSC, SECAM-L, E/W ADJ.	
	TDA8375	PAL-B/G, SECAM-B/G, NTSC, SECAM-L, E/W ADJ.,16:9	
IC202	TDA4665	1H DELAY	
IC203	TDA8395	SECAM DECODER	
IC301	TDA8350Q	VERTICAL DEFLECTION AMP	
IC401	KA7812	REGULATOR (12V)	
IC501	TDA6101Q	RGB DRIVE AMP	
IC502	TDA6101Q	RGB DRIVE AMP	
IC503	TDA6101Q	RGB DRIVE AMP	
IC504	SPK101T	SPOT-KILLER	
IC601	TDA7394	SOUND-AMP (10W+10W)	
	TDA7266	SOUND-AMP (7W+7W)	
IC801	STR6709	POWER IC (STR)	
IC802	TDA8133	CUSTOM REGULATOR (5V, 8V)	
IC803	SE130N	ERROR AMP	SED CPT
	SE140N		PHILIPS CPT
IC804	KA78R05	REGULATOR (5V)	
ICT01	SAA5281 P/E	TTX-DECODER	
ICT02	T900580	TTX-CONTROLLER	
ICT04	X24C02	E^2-PROM	
IC901	Z8933212	μ-com	
IC902	AT24C04	E^2-PROM	

2-3 Semiconductor Base Diagrams

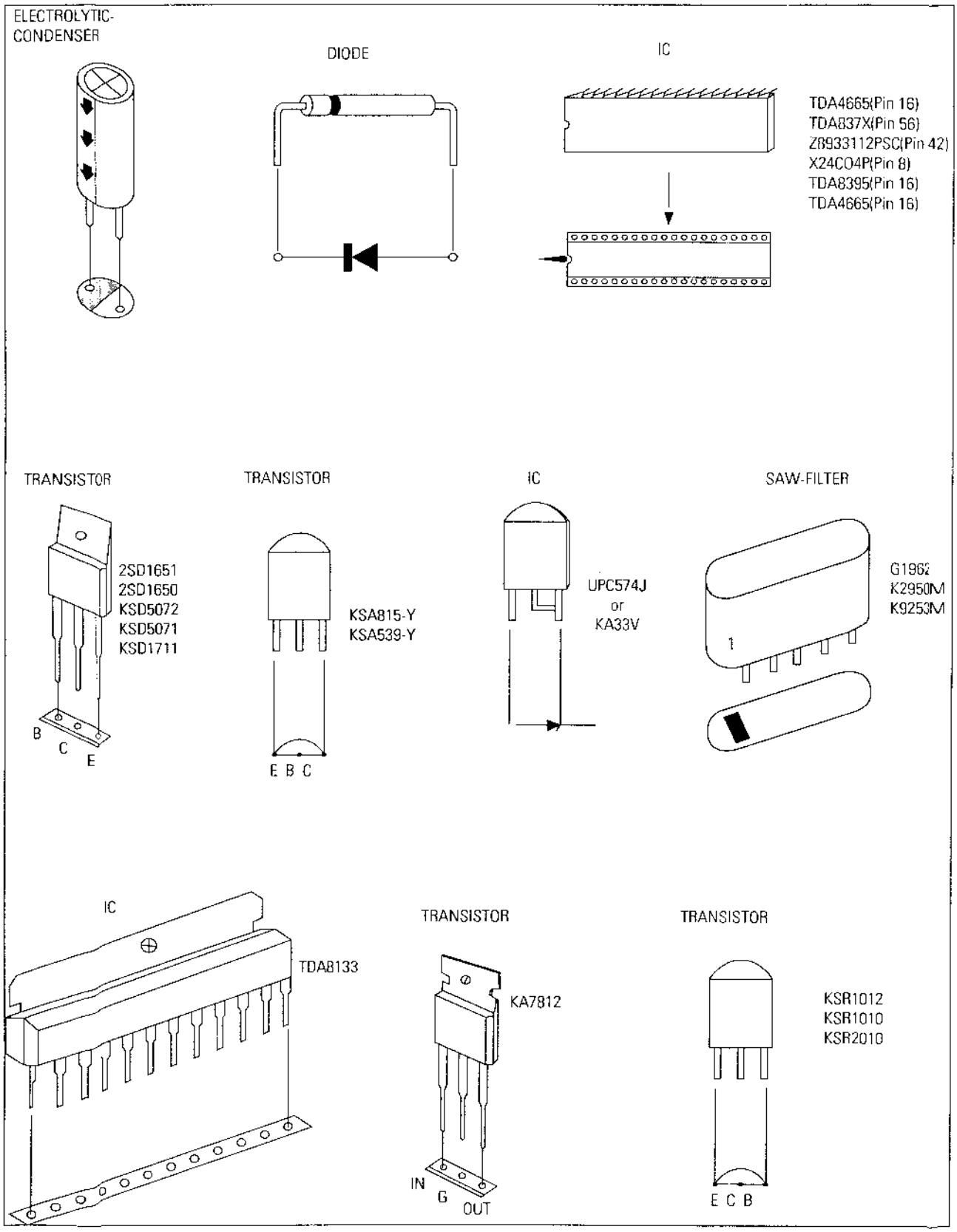
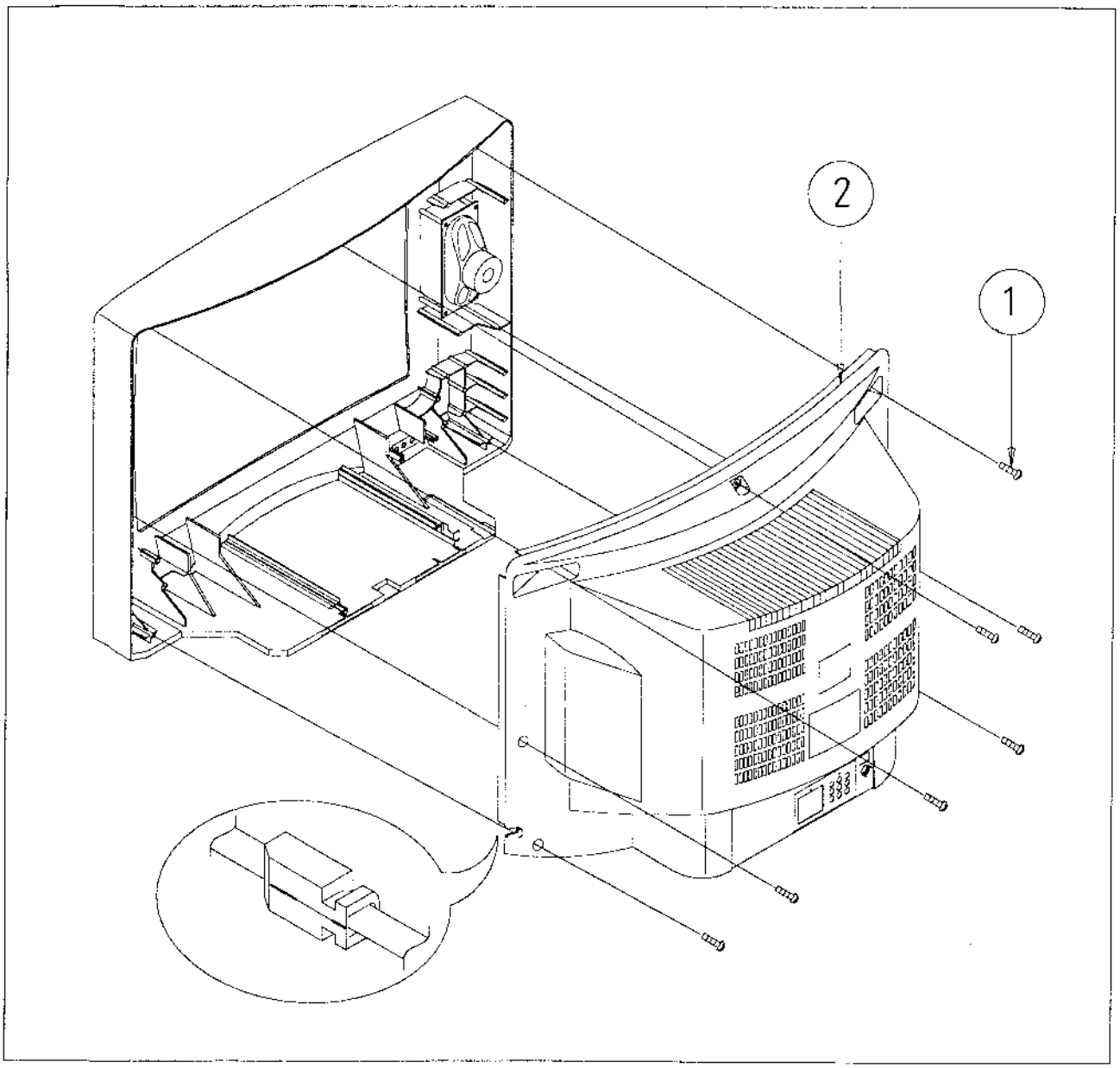


Fig.2-1 Semiconductor Base Diagrams

Memo

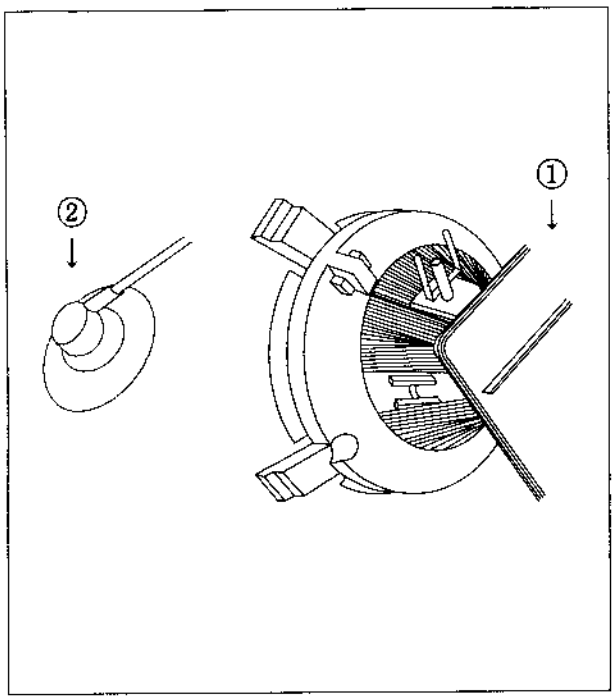
3. Disassembly and Reassembly

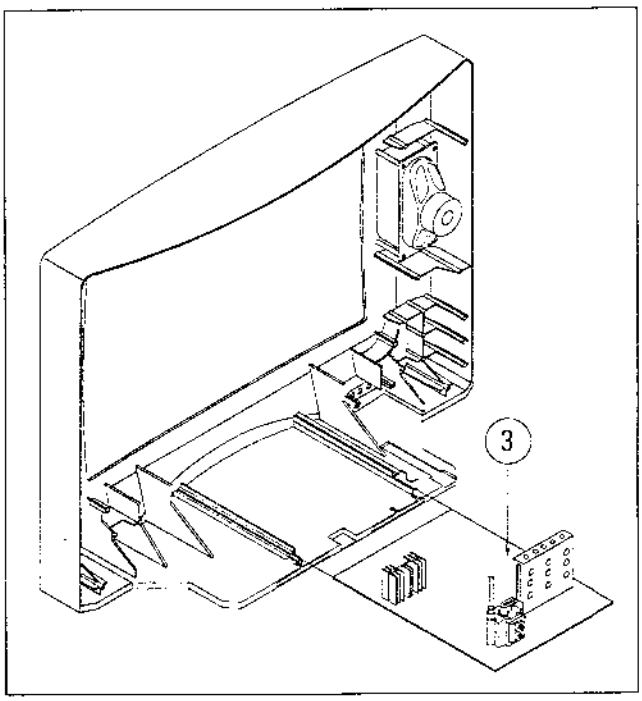
3-1 Back Cover Removal



1. After removing the screws, pull the cabinet backwards.

3-2 Main Board Removal



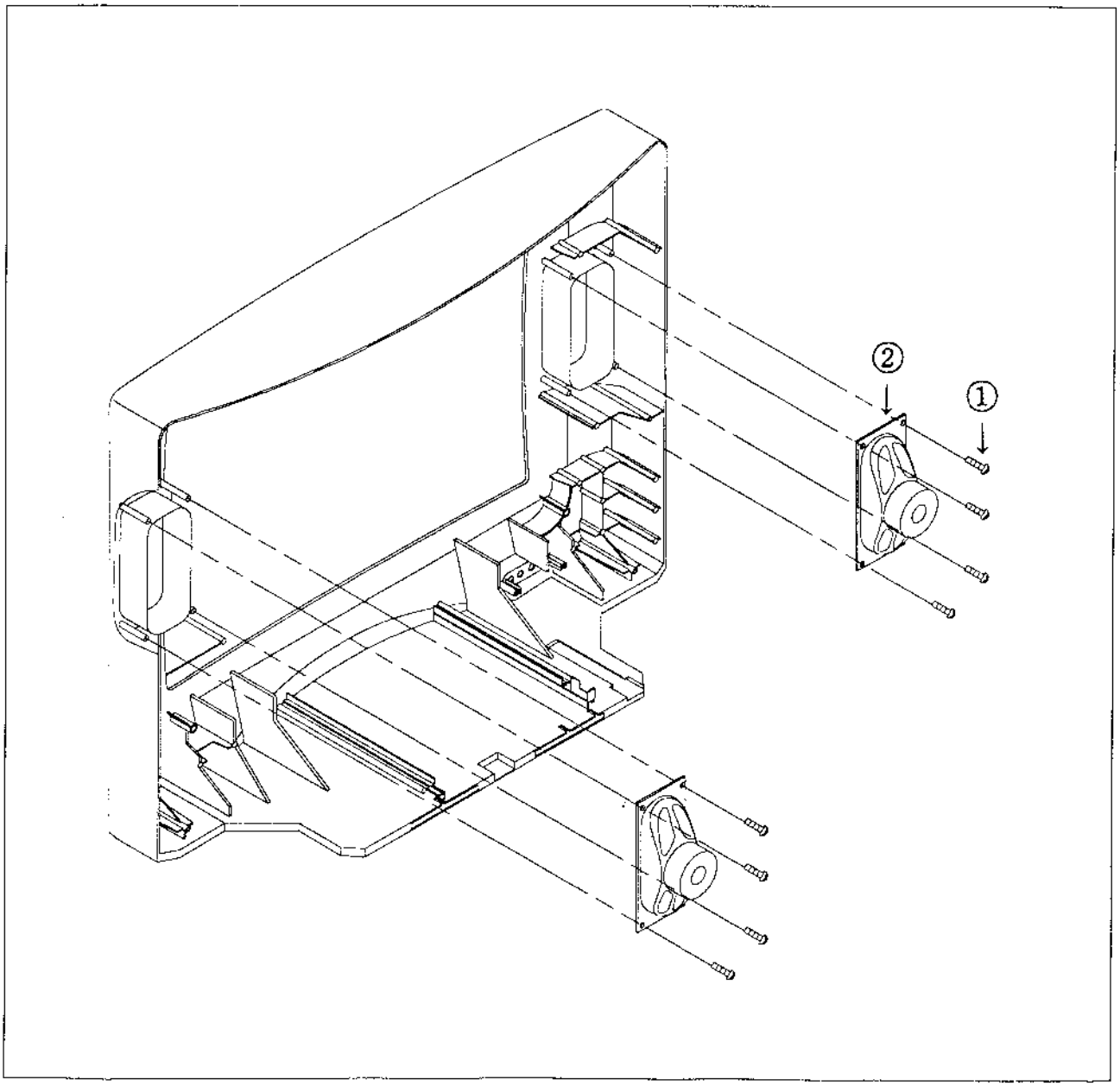


1. Separate the socket board from the CRT neck.
2. Remove the Anode Cap from the CRT.
3. Remove the main board by pulling it with both hands.

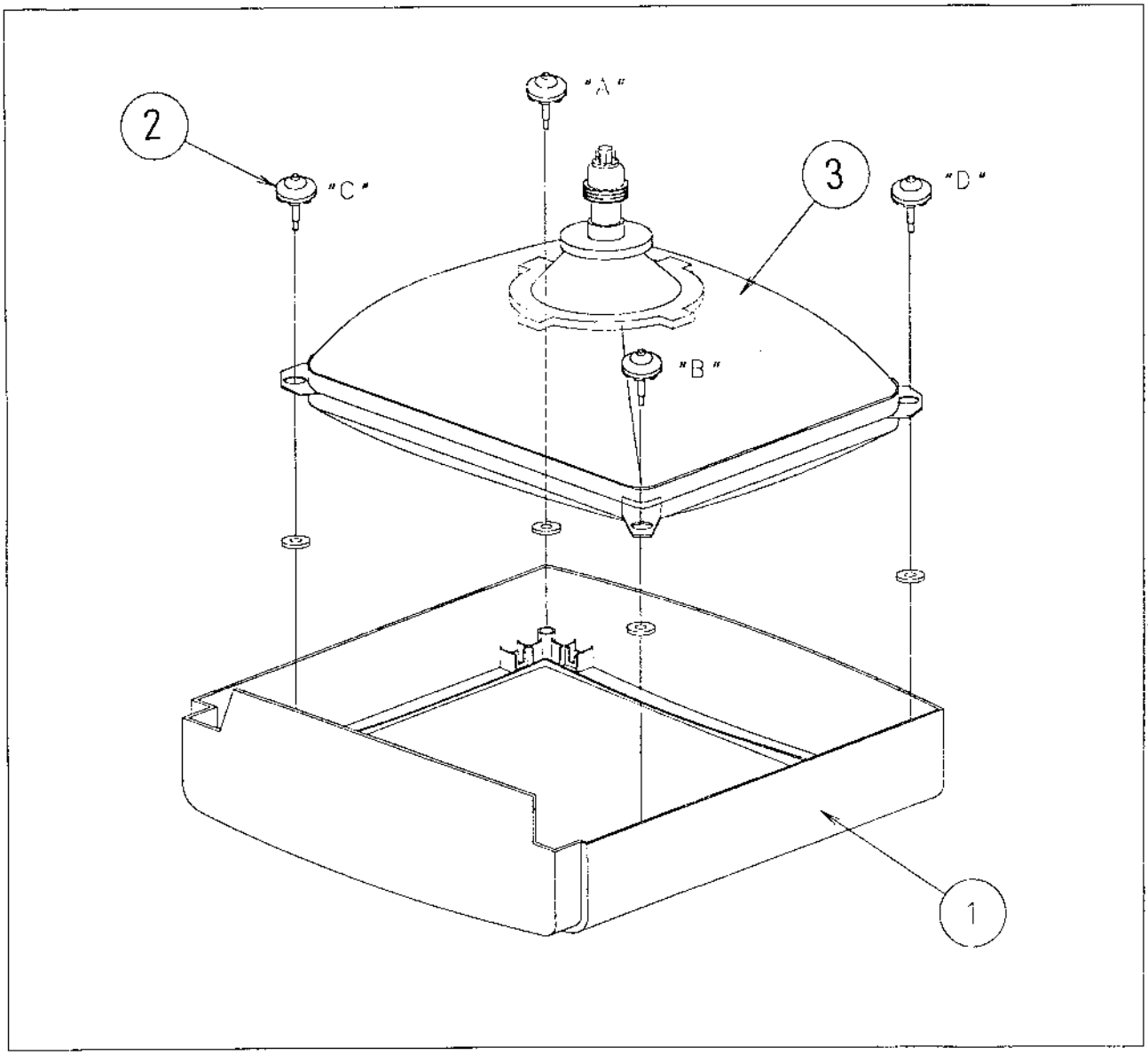
Warning: The FBT is charged with high voltage.
Before removing the Anode Cap, discharge the voltage through one of the heat sinks on the main board.

3-3 Speaker Removal

1. Loosen the screws and remove the PWB-control
2. Loosen the screws and remove the PWB-AV



3-4 CRT Removal



1. Spread a soft mat on the floor. Place the TV set face down.

2. Remove the 4 nuts mounting the CRT to the front cabinet.

3. Lift the CRT.

   Caution: Because of the high vacuum and large surface area of the picture tube, be careful while handling it: (1) Always lift the picture tube by grasping it firmly around the faceplate, (2) Never lift the tube by its neck. (3) Do not scratch the picture tube or apply excessive pressure. Fractures of the glass might cause an implosion.

4. Alignment and Adjustment

4-1 Preadjustment

4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video Mode.

2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

3. Do not tamper with the "Adjustment" screen of the Factory Mode menu. This screen is intended only for factory use.

4-1-2 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced all adjustment data revert to initial values. It is necessary to re-program this data.

2. After IC902 is replaced, warm up the TV for 10 seconds

4-1-3 When CRT Is Replaced

1. Make the following adjustments AFTER setting up after setting up purity and convergence:

   White Balance
   Sub-Brightness
   Vertical Center
   Vertical Size
   Horizontal Size
   Fail Safe (This adjustment must be the last step.)

2. If the EEPROM or CRT is replaced, set PSL and PVA to 15 and 63 (Factory Mode).

4-2 Factory/Service Mode

4-2-1 Procedure for the "Adjustment" Mode

1. This mode uses the standard remote control. The Service Mode is activated by (1) pressing the "HIDDEN" service key on the local-keyboard, or (2) by entering the following remote-control sequence:

   STAND-BY → P.STD → HELP → SLEEP → POWER ON

2. The "SERVICE (FACTORY)" message will be displayed. The Service Mode has four components: Adjustment, Test Pattern, Option Bytes and Reset.

3. Access the Adjustment Mode by pressing the "VOLUME" keys (Up or Down). The adjustment parameters are listed in the accompanying table. Select them by pressing the CHANNEL keys (▲,▼).

4. Selection sequences for the PAL system:

   DOWN or UP key:
   AGC>VCO>SBT>SCT>SCR>RG>GG>BG>SC>
   PVS>PVA>PSL>PHS>PEW>PEP>PEC>PET>
   LA>SA

5. Selection sequences for the NTSC system:

   DOWN or UP key:
   NVS>NVA>NSL>NHS>NEW>NEP>NEC>NET

6. The VOLUME keys increase or decrease the adjustment values, (stored in the non-volatile memory when Adjustment Mode is cancelled).

7. Cancel the Adjustment Mode by re-pressing the "HIDDEN" or "STATUS" keys.

4-2-2 Main Adjustment Parameter

Table 4-1 Main Adjustment Parameter (Zilog μ-com)			
FUNCTION	OSD ABBREVIATION	RANGE	ADJUSTMENT DATA
AUTO GAIN CONTROL	AGC	0 ~ 63 STEP	48 ~ 51
VOLTAGE CONTROLLED OSCILLATOR	VCO	0 ~ 127 STEP	60 ~ 70
SUB BRIGHT	SBT	0 ~ 13 STEP	9 ~ 10
SUB CONTRAST	SCT	0 ~ 13 STEP	7
SUB COLOR	SCR	0 ~ 23 STEP	23
LEVEL ADJUSTMENT	LA	0 ~ 9 STEP	5
STEREO ADJUSTMENT	SA	0 ~ 49 STEP	27
RED CUTOFF	RG	0 ~ 63 STEP	31
GREEN CUTOFF	GG	0 ~ 63 STEP	31
BLUE CUTOFF	BG	0 ~ 63 STEP	10 ~ 31
S-CORRECTION	SC	0 ~ 63 STEP	10 ~ 12
PAL VERTICAL SLOPE	PSL	0 ~ 63 STEP	31
PAL VERTICAL SHIFT	PVS	0 ~ 63 STEP	25 ~ 30
PAL VERTICAL AMPLITUDE	PVA	0 ~ 63 STEP	25 ~ 30
PAL HORIZONTAL SHIFT	PHS	0 ~ 63 STEP	40 ~ 45
PAL EW-WIDTH	PEW	0 ~ 63 STEP	50 ~ 55
PAL EW-APRABOLA WIDTH	PEP	0 ~ 63 STEP	31
PAL EW-CORNER PARABOLA	PEC	0 ~ 63 STEP	31
PAL EW-TRAPEZIUM	PET	0 ~ 63 STEP	20 ~25
NTSC VERTICAL SLOPE	NSL	0 ~ 63 STEP	31
NTSC VERTICAL SHIFT	NVS	0 ~ 63 STEP	25 ~ 30
NTSC VERTICAL AMPLITUDE	NVA	0 ~ 63 STEP	25 ~ 30
NTSC HORIZONTAL SHIFT	NHS	0 ~ 63 STEP	48 ~ 52
NTSC EW-WIDTH	NEW	0 ~ 63 STEP	50 ~ 55
NTSC EW-PARABOLA WIDTH	NEP	0 ~ 63 STEP	31
NTSC EW-CORNER PARABOLA	NEC	0 ~ 63 STEP	31
NTSC EW-TRAPEZIUM	NET	0 ~ 63 STEP	20 ~ 25
SECAM-L CONTROLLED OSCILLATOR	LCO	0 ~ 127 STEP	75 ~95
TELETEXT SUB CONTRAST	TSC	0 ~ 63 STEP	50

NOTE : PVS,PVA, PHS, NVS, NVA,NHS parameters must be aligned using both the 50Hz and 60Hz vertical-field rates.

4-2-3 Test Pattern (Aging Mode)

1. This mode can be used during servicing, or for confirming that the convergence and purity adjustments are correct.

2. Access the Test Pattern parameters by pressing a CHANNEL keys (▲, ▼) while the Service Mode is on. The cursor will move to the test pattern. Press the VOLUME keys. On-screen display:

   - RED
   - GREEN
   - BLUE

3. AGING Mode (Reference Only)

   This pattern is used for pre-heating the CRT during manufacturing--it is accessed in the factory by twice pressing the "HIDDEN" key .

   Even if the TV power is cut off, the Aging Mode is not cancelled, The patterns are displayed at 5 sec intervals. The AGING mode is cancelled by repressing the "HIDDEN" key.

4-2-4 Option Byte Table

BIT		BYTE 0	BYTE1	REMARKS
D7	L	LANGUAGE (TABLE 1)	TDA837X X-TAL CONTROL (XA/XB = 1/1)	
	H		TDA837X X-TAL CONTROL (XA/XB = 1/0)	
D6	L		NOISE REDUCTOR : NOT DISPLAYED IN FUNCTION MENU	
	H		NOISE REDUCTOR : DISPLAYED IN FUNCTION MENU	
D5	L	ZOOM (TABLE 2)	SHARPNESS : NOT DISPLAYED IN FUNCTION MENU	
	H		SHARPNESS : DISPLAYED IN FUNCTION MENU	
D4	L	SYSTEM (TABLE 3)	VX FUNCTION : NOT AVAILABLE (TDA847X ADD 16HEX)	
	H		VX FUNCTION : AVAILABLE	
D3	L		PICTURE STANDARD (TABLE 4)	
	H			
D2	L		CH.NUMBER IS DISPLAY I AV-1, AV-2 MODE	SCART JACK
	H		CH. NUMBER IS NOT DISPLAY IN AV-1, AV-2 MODE	RCA JACK
D1	L	STEREO	-	
	H	MONO	AUTO ON	
D0	L	NON HYPER TUNER	MUTE OR POLAND SAFETY (TABLE 1)	
	H	HYPER TUNER		

BYTE 0 BIT D1 :

MODE	RF			AV-1, AV-2		
ITEM / LOGIC	1. IDENT SAA7283 TDA9840 TDA9859	2. SYMBOL DISPLAY	3. S-MODE CONTROL	1. IDENT SAA7283 TDA9840 TDA9859	2.SYMBOL DISPLAY	3. S-MODE CONTROL
LOW	YES	YES	YES	YES	YES	YES
HIGH	NO	NO	NO	NO	YES	YES

TABLE 1 (LANGUAGE) :

BIT D7	BIT D6	SZM-155AR	SZM-157WTX	SZM-177TV	SZM-159RTX	SZM-179CH
L	L	ENGLISH ARABIC	ENGLISH DUTCH FRANCE ESPANA ITALIAN SWEDISH NEDERLAND	ENGLISH THAILAND	ENGLISH HUNGARIAN POLAND CZECHOSLOVAKIA RUSSIAN RUMANIA CROATIA	ENGLISH CHINA
L	H			ENGLISH VIETNAM	ENGLISH HUNGARIAN POLAND CZECHOSLOVAKIA RUMANIA CROATIA	
H	H	ENGLISH		ENGLISH MALAYSIA INDONESIA		

	LOGIC	SZM-155AR SZM-179CH	SZM-157WTX	SZM-159RTX	SZM-177TV
BYTE 1 D0	L	NO MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN STAND-BY MODE 2. MUTE : TURNED ON IF NO RF INPUT	NO MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN STAND BY MODE 2. MUTE : TURNED OFF IF NO RF INPUT
	H	MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN NORMAL MODE 2. MUTE : IF NO RF INPUT	MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN NORMAL MODE 2. MUTE : IF NO RF INPUT

TABLE 2 (ZOOM) :

MODE		RF	AV-1, AV-2
BYTE0 D5	LOW	NORMAL → ZOOM → 16 : 9	NORMAL ↔ ZOOM
	HIGH	NORMAL ↔ ZOOM	

TABLE 3 (SYSTEM) :

BYTE 0			SYSTEM	SOUND SYSTEM		COLOR SYSTEM			
						RF MODE		AV-1, AV-2 MODE	
D4	D3	D2		OSD	ACTION	OSD	ACTION	OSD	ACTION
H	H	H	CI	DELETE	I	DELETE	PAL	DELETE	AUTO
H	H	L	CII	DELETE	I	DELETE	PAL	DELETE	AUTO
H	L	H	CW	? → B/G → I D/K	B/G I D/K	AUTO → PAL NT4.43 ← SECAM	AUTO PAL SECAM NT4.43	AUTO → PAL NT4.43 ← SECAM NT4.43	AUTO PAL SECAM NT4.43 NT3.58
H	L	L	CF	DELETE	B/G L/L'	DELETE	PAL SECAM	DELETE	AUTO
L	H	H	CK	D/K ↔ B/G	D/K B/G	AUTO → PAL NT4.43 ← SECAM	PAL SECAM NT4.43	AUTO → PAL NT4.43 ← SECAM	AUTO PAL SECAM NT4.43
L	H	L	CB	DELETE	B/G	DELETE	PAL	DELETE	AUTO
L	L	H	CX	DELETE	B/G	DELETE	AUTO	DELETE	AUTO
L	L	L	CS	? → B/G → I M ← D/K	B/G <None> <None> <None> 4-6 <None> I	AUTO → PAL SECAM NT3.58 ← NT4.43	AUTO PAL SECAM NT4.43 NT3.58	AUTO → PAL SECAM NT3.58 ← NT4.43	AUTO PAL SECAM NT4.43 NT3.58

CI SYSTEM (ONLY UHF BAND)
CF SYSTEM (AVAILABLE IN SZM-157 M-COM)

TABLE 4 (PICTURE STANDARD) :

MODE / BYTE	STANDARD MODE	DYNAMIC	MOVIE	MILD	CUSTOM
	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL
LOW	100/50/50/50	100/50/75/50	90/50/75/50	60/50/50/50	100/50/50/50
HIGH	90/50/50/50	100/50/50/50	75/55/50/50	60/50/50/50	90/55/25/50
RG	-	-	+10	-	-
BG	-	+10	-	-	-

CON/BR/SHA/COL = CONTRAST / BRIGHT / SHARPNESS / COLOR

4-2-5 RESET

The Reset Mode is used during factory inspection.
Function Reset:

1. Channels	Added/Erase
2. Sort	NON
3. Language	Basic (English)
4. System	Auto (Non-TTX micom only)

4-3 Other Adjustments

4-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. The picture should have good black and white details. There should be no objectionable color shading; if color shading is present, perform the purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

4-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

4-3-3 High Voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B^+ power supply must be set to +130/155 volts.
(Full color bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed 33KV.
4. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 33KV under any conditions.

4-3-4 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-5 Screen Adjustment

1. Turn to the ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-6 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke and tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set in as shown in Fig. 4-1.
4. Input a black and white signal.
5. Fully demagnetize the receive by applying an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to provide vertical green belt. (Fig. 4-2).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward, and adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

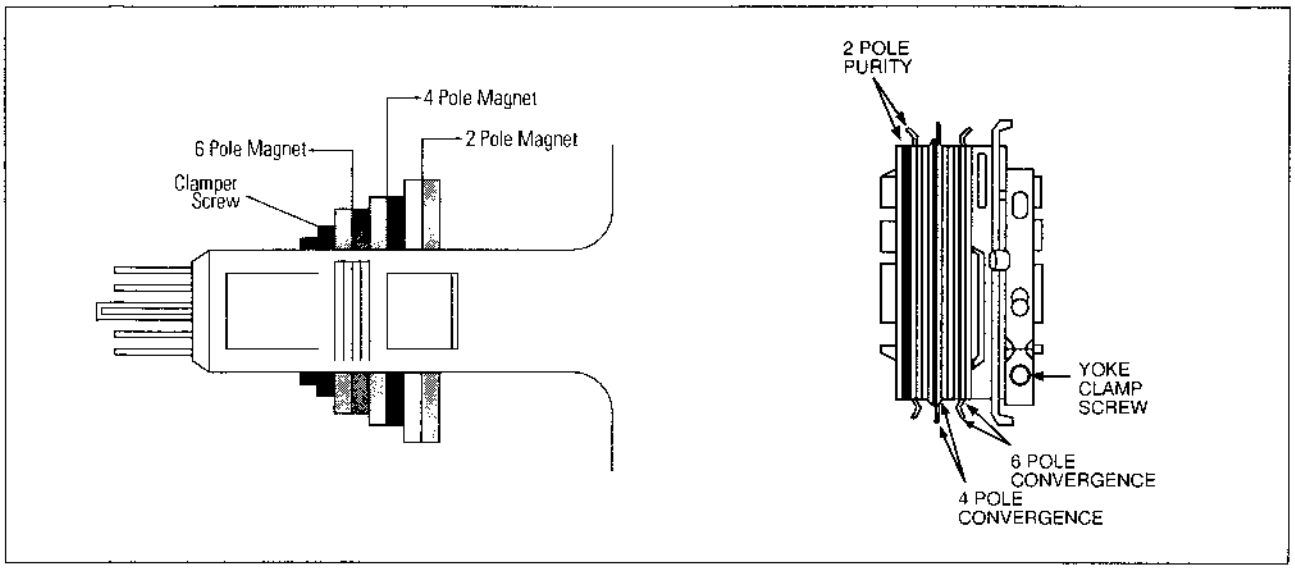


Fig. 4-1 Convergence Magnet Assembly

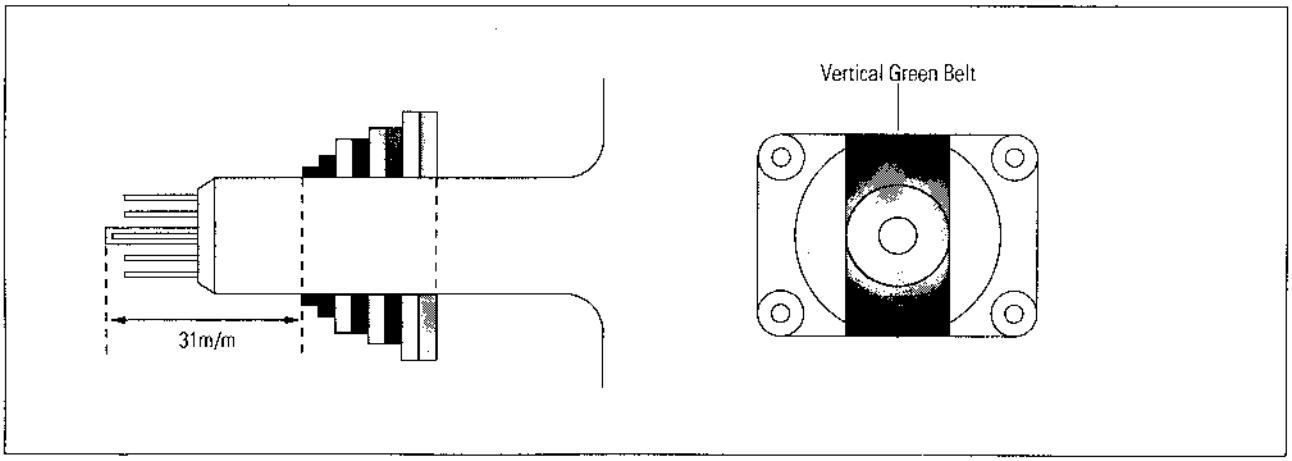


Fig. 4-2 Center Convergence Adjustment

4-3-7 White Balance Adjustment

4-3-7 (a) High-Light Adjustment

1. Input either a Lion Head or a "pure white" pattern.
2. Warm up the TV for 30 minutes.
3. Check the data in the Service Mode (RG,GG,BG Should be 31, initially)
4. Adjust RG, BG in the Factory Mode.

4-3-7 (b) Low-Light Adjustment:

1. Automatically accomplished during the high-light adjustment.

4-3-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Adjust the two tabs of the 4 pole magnets to change the angle between them. Superimpose the red and blue vertical lines in the center area of the screen.
3. Adjust the Brightness and Contrast controls for a well defined picture.
4. Adjust the two-tab pairs of the 4 pole magnets, and change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
5. Turn the both tabs at the same time, keeping the angle constant, and superimpose the red and blue horizontal line in the center of the screen.
6. Adjust the two-tab pairs of the 6-pole magnets to superimpose the red and blue line onto the green. (Changing the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.)
7. Repeat adjustments 2~6, if necessary.
8. Since the 4-pole magnets and 6-pole magnets interact, the dot movement is complex (Fig. 4-3).

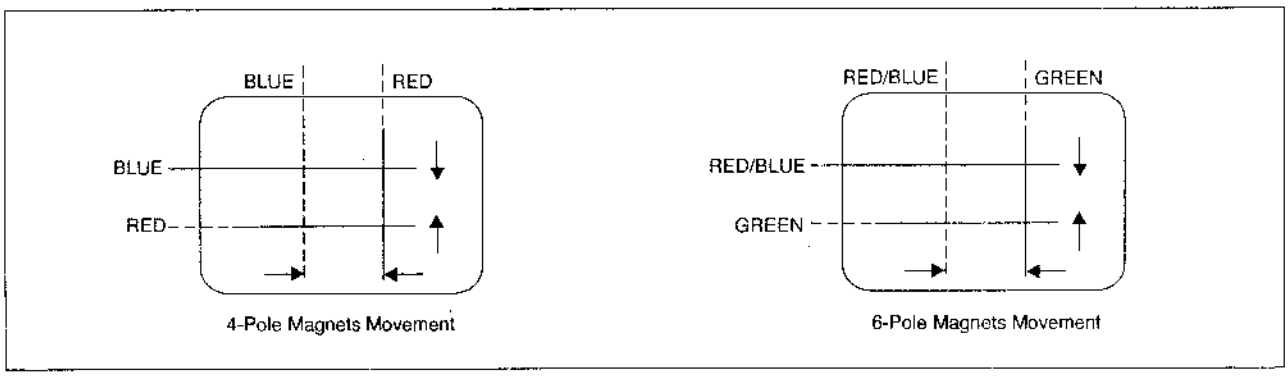


Fig . 4-3 Center Convergence Adjustment

4-3-9 VCO Adjustment

1. Connect to tuner IF pin.
2. Apply an IF input (38.9MHz) signal.
3. In Factory Mode, adjust the AFC with the VCO tuning bits (AFA, AFB).

   The VCO is correct when the AFA Bit is "INSIDE WINDOW " (The AFB Bit is above~below). The AFC output is available on the I²C-BUS (used for VCO adjustment and feedback).

4-3-10 IF AGC Adjustment

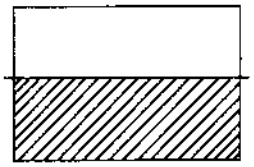
1. Input a UHF Band channel (70~80dB, 479.25MHz).
2. Adjust the AGC in the Factory mode. IC201 Pin 53 to 3.2V ± 0.05V (DC).

4-3-11 Geometry Adjustment (SC -> PVS -> PVA ->PSL -> PHS)

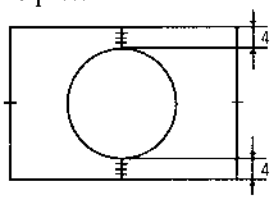
1. Input a Lion Head pattern.

2. SET the SC Data steps 10~12 in the Factory Mode.

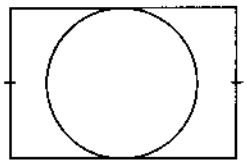
3. Adjust with PVS (starts blinking) exactly at middle of the screen.



4. Adjustment with PVA : Top and Bottom margins of the picture are 4.



5. Adjustment with PSL : Bottom of picture to bottom of screen.

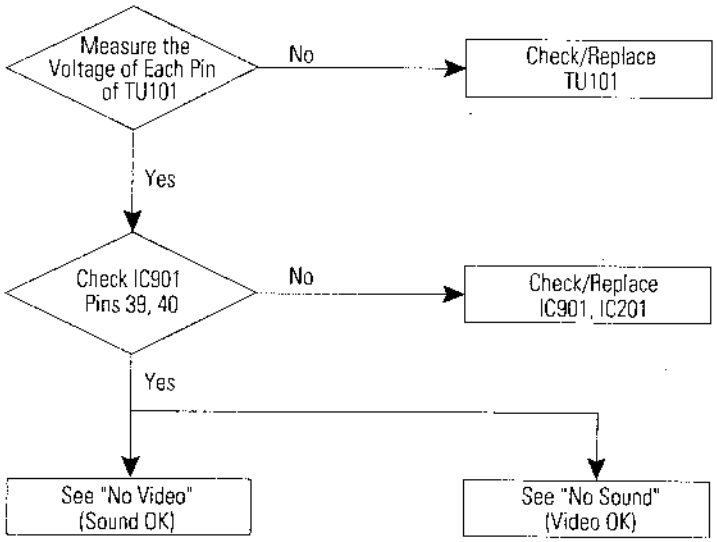


6. Adjust PHS horizontally. Center the picture.

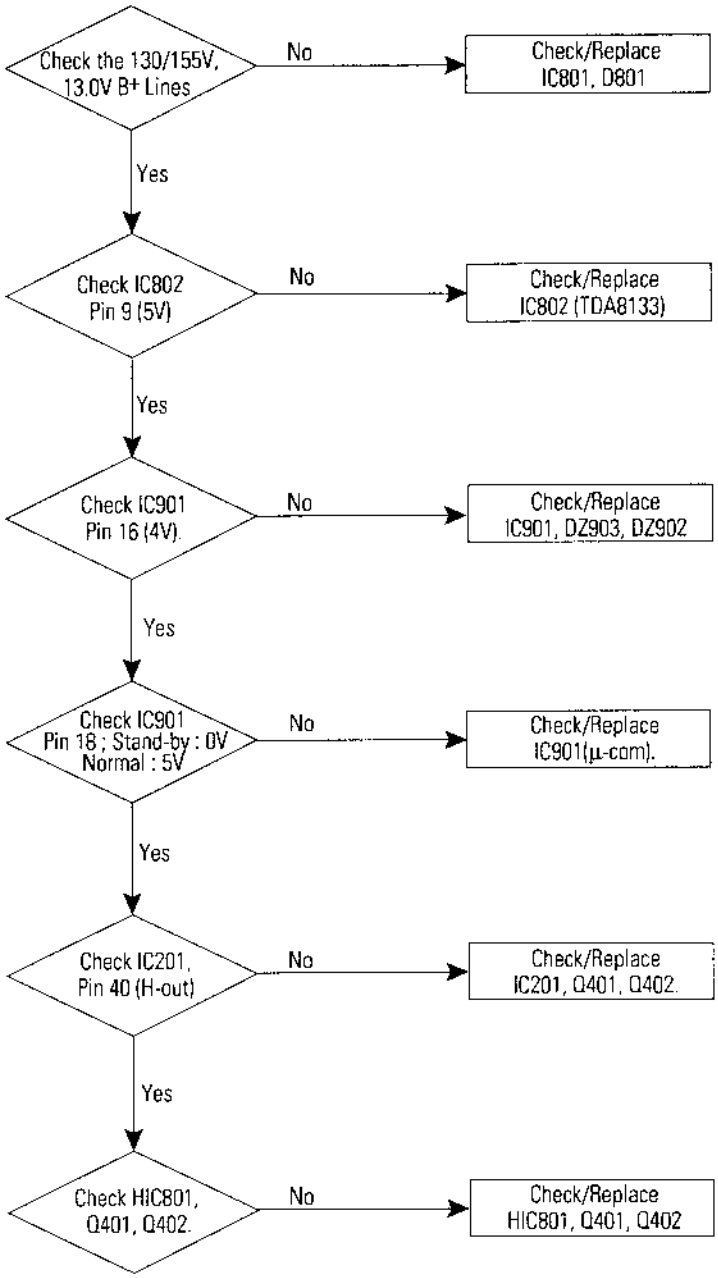
Memo

5. Troubleshooting

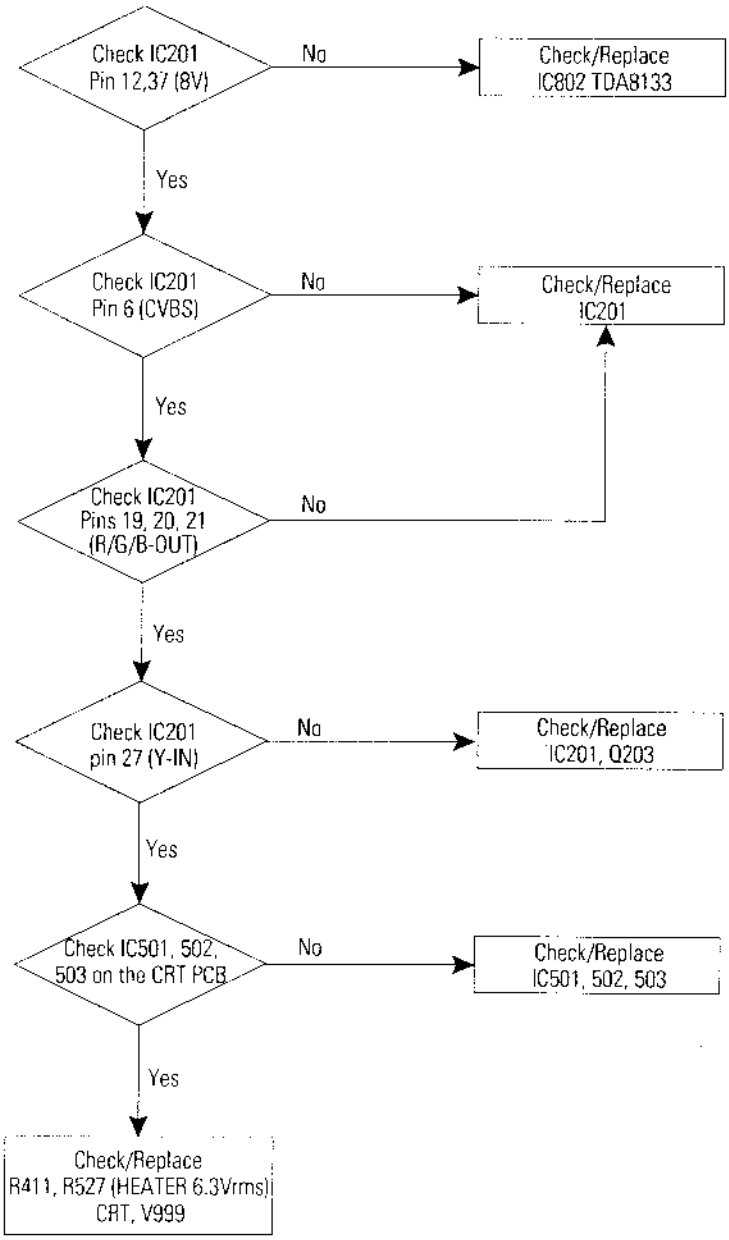
5-1 No Video (Raster On, No Sound)



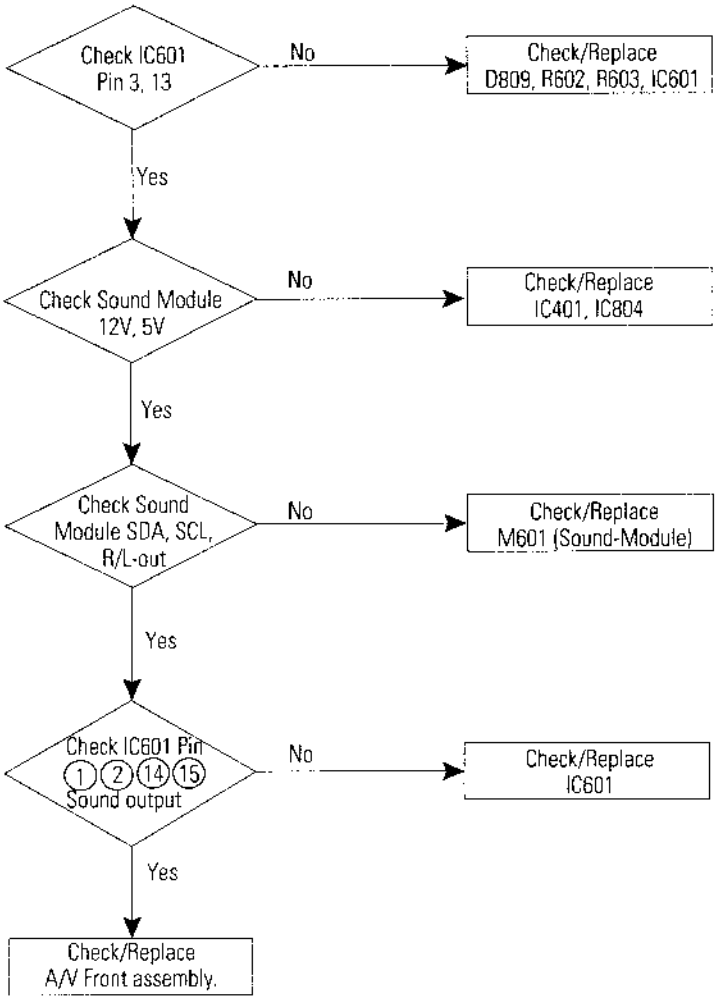
5-2 No Power


Check the 130/155V, 13.0V B+ Lines.
No
Check/Replace IC801, D801
Yes
Check IC802 Pin 9 (5V)
No
Check/Replace IC802 (TDA8133)
Yes
Check IC901 Pin 16 (4V).
No
Check/Replace IC901, DZ903, DZ902
Yes
Check IC901 Pin 18 ; Stand-by : 0V Normal : 5V
No
Check/Replace IC901(μ-com).
Yes
Check IC201, Pin 40 (H-out)
No
Check/Replace IC201, Q401, Q402.
Yes
Check HIC801, Q401, Q402.
No
Check/Replace HIC801, Q401, Q402

5-3 No Video (Sound OK)



5-4 No Sound (Video OK)



7. Electric Parts List

7-1 CX6844W/UKVCX

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
	*AA97-10029V		ASSY-PCB,MAIN(COM)	CX6844W/UKVCX,SCT12B,GERM	
PCB	AA41-10586A		PCB-MAIN	SCT12B,1L,FR-1,330x245x1.	BARE PCB
C101	2401-001082	31607-402-160	C-AL	330NF,20%,50V,GP,5X11MM,5	
C102	2401-000758	31607-902-250	C-AL	220NF,20%,50V,GP,5X11MM,5	
C103	2401-001937	A1104-0052	C-AL	22UF,20%,16V,GP,5X5MM,5MM	
C104	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C105	2202-000199	A1100-0823	C-CERAMIC,MLC-AXIAL	22NF,+80-20%,25V,Y5V,-,7.	
C106	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C107	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C108	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C109	2202-000127	A1100-0803	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
C110	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C112	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C113	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C201	31407-106-120		C-CERAMIC,TEMP	CC45(T) RH 50V 120-J	
C202	2202-000127	A1100-0803	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
C204	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C205	31607-402-220		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
C206	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C207	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C208	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C209	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C210	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C211	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C212	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C213	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C214	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C216	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C217	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C218	2201-000139	31407-056-101	C-CERAMIC,DISC	100PF,2%,50V,NPO,-,5MM,TP	
C219	2201-000273	31407-057-180	C-CERAMIC,DISC	18PF,5%,50V,NPO,5.0*3.0,2	
C220	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C221	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C222	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C223	31607-402-240		C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
C224	2301-000201	31507-127-002	C-FILM,PEF	2.2NF,5%,50V,7.4X3.9X13MM	
C225	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C226	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C227	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C228	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C229	2401-001026	31607-402-230	C-AL	3.3UF,20%,50V,GP,5X11MM,5	
C230	A1100-0990		C-CERAMIC	CK QA X7R 16V T 222-M EPO	
C231	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C232	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C233	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C234	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C235	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C236	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C237	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C238	2305-000289	A1102-0291	C-FILM,MPEF	220NF,5%,63V,-,5MM,TP	
C239	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C240	2201-000389	31407-105-180	C-CERAMIC,DISC	22PF,5%,50V,NPO,5.0X3.0,2	

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
C249	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
C250	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C251	A1102-0247		C-FILM	CQ 922 M 50V T 333-J -40/	
C252	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C253	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C255	A1100-0977		C-CERAMIC	CC OA CH 50V T 120-J UP05	
C256	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C301	A1102-0302		C-FILM	CF 922 N 100V T 104-J -40	
C302	2301-000213	31517-002-224	C-FILM,PEF	220NF,5%,250V,21.5X11MM,1	
C303	2305-000407	A1102-0324	C-FILM,MPEF	470NF,5%,100V,-,5MM,TP	
C304	2401-003028		C-AL	100UF,20%,25V,GP,6.3X11,5	
C305	2401-001662	31607-403-070	C-AL	68UF,20%,100V,GP,10X16MM,	
⚠ C401	2301-000174	31507-137-014	C-FILM,PEF	15NF,5%,100V,7.2X4.0X7.5M	
C402	2401-003028		C-AL	100UF,20%,25V,GP,6.3X11,5	
C403	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5MM,T	
C404	2401-001662	31607-403-070	C-AL	68UF,20%,100V,GP,10X16MM,	
C405	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5MM,T	
C406	2401-000927	31607-403-500	C-AL	22UF,20%,250V,GP,13X20MM,	
C407	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5MM,T	
C408	2401-001397	A1104-0012	C-AL	470UF,20%,25V,GP,10X16MM,	
⚠ C409•	2306-000319	A1102-0406	C-FILM,MPPF	33NF,10%,400V,-,7.5MM,TP	
⚠ C410	2305-000154	31517-003-020	C-FILM,MPEF	100NF,5%,400V,21.5X6.5X11	
⚠ C411	2306-000178	31519-400-006	C-FILM,MPPF	3.9NF,5%,1.6KV,-,20MM,	
C412	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
⚠ C413	31519-400-001		C-M,POLYPROPYLENE	CFS 922M 1600V 0.0063-J	
⚠ C414	2306-000172	A1102-0274	C-FILM,MPPF	270NF,5%,400V,26.5X19MM,2	
⚠ C415	2306-000172	A1102-0274	C-FILM,MPPF	270NF,5%,400V,26.5X19MM,2	
⚠ C416	2301-000148	31507-137-013	C-FILM,PEF	10NF,5%,100V,7X3.2X7MM,5M	
⚠ C417	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
C418	2201-000639	31417-901-410	C-CERAMIC,DISC	680PF,10%,2KV,Y5P,-,5MM,T	
C419	2401-000395	31607-403-210	C-AL	10UF,20%,160V,GP,10X12.5M	
⚠ C420	A1102-0376		C-FILM	VEND:σ⊠ CQ 922 P 400V T	
⚠ C421	A1104-0741		C-ELEC	CE 04 -40/105 250V T 2R2-	
C422	31417-901-400		C-CERAMIC,HIC	CK45(T) B2KV 561-K	
⚠ C423	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
⚠ C424	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
C425	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C426	2201-000291	31417-106-130	C-CERAMIC,DISC	1NF,10%,500V,Y5P,8.5X5MM,	
C601	2301-000188	31507-137-001	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C602	2401-000620	31607-402-580	C-AL	2.2UF,10%,50V,GP,5X11MM,5	
C606	2401-000587	31607-803-280	C-AL	1UF,20%,50V,BP,6X11MM,5MM	
C607	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C608	31607-402-220		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
C609	2401-000587	31607-803-280	C-AL	1UF,20%,50V,BP,6X11MM,5MM	
C610	2401-001177	31607-401-660	C-AL	33UF,20%,25V,GP,5X11MM,5M	
C611	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C612	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C620	2401-000166	A1104-0534	C-AL	1000UF,20%,25V,WT,13X20MM	
C701	2202-000243	A1100-0341	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C703	2401-001530	31607-401-670	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C704	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C705	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
⚠ C801	2306-000321	A1102-0396	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
⚠ C802	2306-000321	A1102-0396	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C803	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
⚠ C804	31467-102-010		C-CERAMIC,AC	CK45P TAPG E250V 222-M(T2	
⚠ C805	31467-102-010		C-CERAMIC,AC	CK45P TAPG E250V 222-M(T2	
C806	2401-001426	A1104-0538	C-AL	470UF,20%,400V,GP,35X45MM	
⚠ C807	A1102-0198		C-FILM	CF 922 P 1.6KV T 222-J 8U	
⚠ C808	A1104-0770		C-ELEC	CE 04 -40/+105 35V T 471-	
C809	2401-000851	A1104-0676	C-AL	220UF,20%,35V,GP,13X25MM,	
⚠ C810	31466-504-060		C-CERAMIC,AC	ECK-ZNS 472MEX(RO)	

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
C811	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C812	31417-901-400		C-CERAMIC,HIC	CK45(T) B2KV 561-K	
C813	31607-403-990		C-ELECTROLYTIC	CE04W TAPG 200V 100M-M(16	
⚠ C814	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
⚠ C815	A1104-0570		C-ELEC	CE 04 C 160V T 100-M HR 1	
⚠ C816	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
C817	2401-002211	A1104-0810	C-AL	1000UF,20%,35V,-,13X25,5M	
⚠ C818	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
C819	2401-002211	A1104-0810	C-AL	1000UF,20%,35V,-,13X25,5M	
C820	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C821	2401-001105	A1104-0526	C-AL	330UF,20%,200V,GP,22X35MM	
C822	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C823	2401-000832	31607-401-690	C-AL	220UF,20%,25V,GP,8X11MM,5	
⚠ C824	2201-000291	31417-106-130	C-CERAMIC,DISC	1NF,10%,500V,Y5P,8.5X5MM,	
C825	2401-000395	31607-403-210	C-AL	10UF,20%,160V,GP,10X12.5M	
C826	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C827	2306-000112	A1102-0314	C-FILM,MPPF	100NF,20%,250V,-,15MM,BK	
C828	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C829	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C830	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C831	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
⚠ C832	31466-504-060		C-CERAMIC,AC	ECK-ZNS 472MEX(RO)	
C833	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
⚠ C834	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
⚠ C835	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
C901	A1100-0990		C-CERAMIC	CK QA X7R 16V T 222-M EP0	
C902	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C903	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C904	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C905	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
C906	2301-000108	31507-127-001	C-FILM,PEF	1.5NF,5%,50V,6.5X3.0X5.5M	
C907	2201-000234	31407-105-700	C-CERAMIC,DISC	150PF,5%,50V,NPO,10X3.5MM	
C909	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C910	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C911	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C912	2201-000257	31407-105-150	C-CERAMIC,DISC	16PF,5%,50V,NPO,-,5MM,TP	
C913	2201-000483	31407-057-330	C-CERAMIC,DISC	33PF,5%,50V,NPO,5X3.5MM,5	
C914	2301-000188	31507-137-001	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C916	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C917	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C919	31607-402-260		C-ELECTROLYNC	CE04W TAPG 50V 22M-M	
C920	31607-402-200		C-ELECTROLYTIC	CE04W TAPG 50V 0.47M	
C921	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C923	2301-000188	31507-137-001	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C924	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C925	A1102-0298		C-FILM	CF 922 N 63V T 104-J -40/	
C926	31607-972-006		C-ELECTROLYTIC	CE04W TAPG 16V 47M-M(6.3X	
CLMP/W	AA65-30003A	33333-0011-000	CLAMP-WIRE	-,NYLON-66,V0,NTR,V-MODEL	
CN01B	33347-110-150		POST-HEADER	67094-008 (AUTO)	
CN05B	33347-108-180		POST-HEADER	67094-005 (AUTO)	
CN07B	33347-110-110		POST-HEADER	67094-009 (AUTO)	
CN08B	33347-108-140		POST-HEADER	67094-006 (AUTO)	
CN09A	33347-108-180		POST-HEADER	67094-005 (AUTO)	
CNT01	33347-108-310		POST-HEADER	67094-003(AUTO)	
CNT02	33347-114-810		POST-HEADER	YW025-04(AUTO)	
CNT03	33347-108-110		POST-HEADER	67094-007 (AUTO)	
⚠ CW701	2503-000144	31497-009-350	C-NETWORK	330PF,20%,50V	
CW901	A1113-0015		C-NETWORK	CX MCC81H331MX4YT 50V 331	
CW902	A1113-0018		C-NETWORK	CX MCC81H101MX4YT 50V 101	
⚠ D-COIL	AA27-20002B	A1149-0014	COIL-DEGAUSSING	-,29",13.3OHM,70T,L3100,E	
D102	32167-406-480		DIODE	1N4148 TAPG	
D201	32167-406-480		DIODE	1N4148 TAPG	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
D202	32167-406-480		DIODE	1N4148 TAPG	
D203	32167-406-480		DIODE	1N4148 TAPG	
D204	32167-406-480		DIODE	1N4148 TAPG	
⚠ D205	2004-001402	A1006-0672	R-METAL(S)	6.8KOHM,1%,1/2W,AA,TP,2.4	
D207	32167-406-480		DIODE	1N4148 TAPG	
D208	32167-406-480		DIODE	1N4148 TAPG	
D401	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D402	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
⚠ D403	0402-000540	B4102-0068	DIODE-RECTIFIER	RU20A,600V,1.5A,-	
D404	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D405	0402-000010	32167-201-190	DIODE-RECTIFIER	RGP15G,400V,1.5A,DO-204AC	
⚠ D406	0402-000533	B4114-0014	DIODE-RECTIFIER	FMP-3FU,600/1500V,5A,TO-2	
⚠ D407	32167-406-480		DIODE	1N4148 TAPG	
D408	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
⚠ D801	B4104-0112		DIODE-RECT	RBV606LFB 600V 6A ST BRID	
D802	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D803	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D804	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D805	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D807	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
⚠ D808	0402-000540	B4102-0068	DIODE-RECTIFIER	RU20A,600V,1.5A,-	
D810	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D811	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D812	0402-000213	32167-208-580	DIODE-RECTIFIER	ERB12-06,600V,1.0A,DO-41	
D813	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
⚠ D815	32167-406-480		DIODE	1N4148 TAPG	
⚠ D816	32167-406-480		DIODE	1N4148 TAPG	
D901	32167-406-480		DIODE	1N4148 TAPG	
D903	32167-406-480		DIODE	1N4148 TAPG	
D904	32167-406-480		DIODE	1N4148 TAPG	
D905	32167-406-480		DIODE	1N4148 TAPG	
DZ101	0403-000563	32167-406-130	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ401	0403-000705	A4106-0205	DIODE-ZENER	TZP8.2B,8.2V,8.2-9.3V,1W,	
DZ402	0403-000700	A4106-0227	DIODE-ZENER	TZP33A,33V,31-35V,1W,DO-4	
⚠ DZ801	A1330-0063		VARISTOR	INR10D561 560V 400MW 2500	
⚠ DZ802	A1330-0063		VARISTOR	INR10D561 560V 400MW 2500	
DZ804	0403-000704	A4106-0204	DIODE-ZENER	TZP7.5B,7.5V,7.5-8.4V,1W,	
DZ805	0403-000656	32167-403-780	DIODE-ZENER	MTZ15C,15V,14.35-15.09V,5	
⚠ DZ901	32119-101-360		IC	KA 33V(TAPG)	
DZ902	32167-406-080		DIODE-ZENER	MTZ 5.1B	
DZ903	32167-408-080		DIODE-ZENER	EQA02-06D/MTZ6.2B(TAPG)	
DZ904	0403-000664	32167-406-040	DIODE-ZENER	MTZ3.6A,3.6V,3.455-3.695V	
DZ905	32167-401-800		DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
EYE-PIN	AA60-40011A	33104-107-210	EYELET	-,ID2.0,OD2.8,-,-,BST	EY01~EY81
EYE-PIN	AA60-40011B	33104-107-220	EYELET	-,ID2.2,OD3.2,-,-,BSP	EL02~EL24
⚠ F801	3601-000260	34709-830-060	FUSE-FERRULE	250V,3.15A,TIME LAG,CERAM	
F801A	3602-000114	33167-001-001	FUSE-HOLDER	-,-,30MOHM	
F801B	3602-000114	33167-001-001	FUSE-HOLDER	-,-,30MOHM	
FBT/C	AA65-30002A	33333-0005-010	CLAMP-FBT	-,NYLON-66,V0,BLK,-,-	
FBT/C	AA65-30009A	36633-101-911	CLAMP-FBT	-,ABS,V0,BLK,-,-	
GT-PIN	33124-111-100		GT-PIN	1P AUTO	GT-PIN ALL
GT102	AA39-20010C	33054-834-017	LEAD-CONNECTOR,ASSY	-,YFH800-01,S,1P,600,1617	
⚠ HIC101	AA13-20004A		IC-HYBRID	-,PAP102,SIP,6P,PRE-AMP	
⚠ HIC801	AA13-20003A	A4010-0093	IC-HYBRID	-,PCL001T,SIP,5P,SMPS CON	
IC201	1204-000443	B4012-0407	IC-PAL/NTSC PROCESS	TDA8375,DIP,56P,-,PLASTIC	
IC202	1209-000214	B4012-0361	IC-DELAY LINE	TDA4665,DIP,16P,300MIL,PL	
⚠ IC203	B4012-0469		IC-LINEAR	TDA8395P/N2 DIP BULK SECA	
⚠ IC401	1203-000243	A4008-0178	IC-POSI.FIXED REG.	7812,TO-220,3P,-,PLASTIC,	
⚠ IC803	32109-410-291		IC	SE-140N	
⚠ IC901	AA13-30002G	B4000-0161	IC-MCU	-,Z8933112PSC-R1789,16BIT	
⚠ IC902	B4000-0135		IC-EEPROM	AT24C04-10PC DIP 8P	
J143	2001-001043	A1000-0656	R-CARBON(S)	0OHM,5%,1/2W,AB,TP,2.4X6.	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
J212	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
J333	2001-001043	A1000-0656	R-CARBON(S)	0OHM,5%,1/2W,AB,TP,2.4X6.	
J416	2001-001043	A1000-0656	R-CARBON(S)	0OHM,5%,1/2W,AB,TP,2.4X6.	
JA701	A3040-0177		JACK-SCART	RGB-2 42P	
L101	2701-000101	32427-904-919	INDUCTOR-AXIAL	1.2UH,10%,2.5X3.4MM	
L102	2701-000146	32427-805-877	INDUCTOR-AXIAL	2.2UH,10%,2.5X3.4MM	
L104	2701-000215	32427-904-923	INDUCTOR-AXIAL	8.2UH,10%,2.5X3.4MM	
L201	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L202	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L203	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L204	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L205	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L206	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L207	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L208	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L209	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L301	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L302	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
⚠ L401	AA27-40001F	32449-412-602	COIL-HORIZ.WIDTH	-,1MH,DR1520,P10.4,-	
⚠ L402	AA27-40001E	32449-412-601	COIL-HORIZ.WIDTH	-,1.5MH,SB-5S820,2UEW0.6,	
⚠ L403	AA27-30001H	32449-730-008	COIL-LINEARITY	-,62UH,DR1215,P10.55,4.5X	
L404	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L405	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L406	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L601	A1247-0054		FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L602	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L603	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L604	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L701	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L702	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L703	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L704	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L705	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L706	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L707	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L708	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
⚠ L801	AA29-30001N	32429-633-121	FILTER-LINE	-,6MH,2.2A,-,-	
⚠ L802	AA29-30001P	32429-633-140	FILTER-LINE	-,6MH,-,-,SQE-2424	
L803	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L804	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L805	B1247-0051		FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L806	B1247-0051		FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L807	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L809	B1247-0051		FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L810	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L901	2702-000181	32427-904-941	INDUCTOR-RADIAL	680UH,5%,6X6.4MM	
L902	2701-000142	32427-904-918	INDUCTOR-AXIAL	1UH,10%,2.5X3.4MM	
L903	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L904	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L905	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L906	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LD901	3H77-00001-070		ASSY-LED,GUIDE	32309-121-005,DL-G5RGA	
⚠ NT801	1404-000181	32189-609-381	THERMISTOR-NTC	4.7OHM,20%,2900K,-,BK	
⚠ P801	1404-000178	A1332-0017	THERMISTOR-PTC	7OHM,20%,-,290V,25A,-,-	
⚠ PA901	AA59-60001U	A1294-0035	MODULE-REMOCON	-,ORC-50VF,38KHZ,940NM,ME	
⚠ PC801	0604-000117	32309-024-040	PHOTO-COUPLER	TR,130-260%,200MW,DIP-4,S	
Q201	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q202	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q203	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q204	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
Q205	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
Q207	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
Q208	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
⚠ Q402	0502-000260	A4052-0059	TR-POWER	KSC2073,NPN,150V,150V,1.5	
Q701	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q702	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q703	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
⚠ Q802	0502-000244	A4052-0055	TR-POWER	KSA940,PNP,-150V,-150V,-1	
⚠ Q805	A4058-0009		TR-DARLINGTON	TIP102 2W 8A 100V SI/NPN	
Q901	32137-301-560		TRANSISTOR	KSC 2331-Y(TAPG)	
Q902	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q903	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
⚠ Q905	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
⚠ Q906	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
⚠ Q907	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q908	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q909	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
R101	31018-177-912		R-CARBON/METAL FILM	RD 1/8T 9.1K-J	
R102	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R103	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R104	2001-001080	31018-377-150	R-CARBON(S)	15OHM,5%,1/2W,AB,TP,2.4X6	
R105	2001-001080	31018-377-150	R-CARBON(S)	15OHM,5%,1/2W,AB,TP,2.4X6	
R112	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R114	2001-000490	31018-177-201	R-CARBON	200OHM,5%,1/8W,AA,TP,1.8X	
R115	2001-000405	31018-177-181	R-CARBON	180OHM,5%,1/8W,AA,TP,1.8X	
R116	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R117	31018-177-821		R-CARBON/METAL FILM	RD 1/8T 820-J	
R118	31018-177-751		R-CARBON/METAL FILM	RD 1/8T 750-J	
R119	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
R202	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R203	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R204	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R205	2001-000577	31018-177-202	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3	
R206	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R207	2001-000628	31018-177-301	R-CARBON	300OHM,5%,1/8W,AA,TP,1.8X	
R208	2001-000628	31018-177-301	R-CARBON	300OHM,5%,1/8W,AA,TP,1.8X	
R209	2001-000628	31018-177-301	R-CARBON	300OHM,5%,1/8W,AA,TP,1.8X	
R210	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R211	2001-000689	31018-177-394	R-CARBON	390KOHM,5%,1/8W,AA,TP,1.8	
R212	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R214	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R215	2001-000008	31018-177-153	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X	
R216	2001-000832	31018-177-511	R-CARBON	510OHM,5%,1/8W,AA,TP,1.8X	
⚠ R218	2004-001914	31048-163-902	R-METAL	39KOHM,2%,1/8W,AA,TP,1.8X	
R219	2001-001092	31018-377-109	R-CARBON(S)	1OHM,5%,1/2W,AB,TP,2.4X6.	
R221	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R224	2001-000563	31018-177-273	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
R225	2001-000522	31018-177-223	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
R227	31018-177-564		R-CARBON/METAL FILM	RD 1/8T 560K-J	
R228	2001-000645	31018-177-334	R-CARBON	330KOHM,5%,1/8W,AA,TP,1.8	
R229	2001-000780	31018-177-471	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R230	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R231	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R232	2001-000793	31018-177-470	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R233	2001-000793	31018-177-470	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R237	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R238	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R243	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R301	2001-001093	31018-327-222	R-CARBON(S)	2.2KOHM,5%,1/2W,AA,TP,2.4	
R302	A1004-0449		R-METAL OXIDE	RS 2 RT(S) 221-J 220R	
R303	A1004-0449		R-METAL OXIDE	RS 2 RT(S) 221-J 220R	
R304	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R305	2001-001092	31018-377-109	R-CARBON(S)	1OHM,5%,1/2W,AB,TP,2.4X6.	
R306	2001-001092	31018-377-109	R-CARBON(S)	1OHM,5%,1/2W,AB,TP,2.4X6.	

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
⚠ R307	2008-000179	31057-002-100	R-FUSIBLE(S)	10OHM,5%,1/2W,AA,TP,2.5X6	
R401	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R402	2001-000591	31018-177-332	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
⚠ R403	A1004-0467		R-METAL OXIDE	RS 1 RT(S) 271-J	
R404	2001-001181	31018-377-680	R-CARBON(S)	68OHM,5%,1/2W,AB,TP,2.4X6	
⚠ R405	2004-001368	A1006-0676	R-METAL(S)	0.47OHM,1%,1/2W,AA,TP,2.4	
R406	2001-001060	31018-377-101	R-CARBON(S)	100OHM,5%,1/2W,AB,TP,2.4X	
R407	2001-000020	31018-377-220	R-CARBON(S)	22OHM,5%,1/2W,AA,TP,2.4X6	
⚠ R408	A1004-0405		R-METAL OXIDE	RS 2 RT(S) 100-J 10R	
⚠ R409	2008-000206	A1010-0035	R-FUSIBLE(S)	1OHM,5%,1/2W,AF,TP,2.5X6.	
⚠ R411	A1010-0099		R-FUSIBLE	RF 2 RT 2R4-J	
⚠ R412	A1010-0066		R-FUSIBLE	RF 2 RT R27-K	
R413	2001-001179	31018-377-683	R-CARBON(S)	68KOHM,5%,1/2W,AA,TP,2.4X	
⚠ R414	2004-001405	31049-375-793	R-METAL(S)	79KOHM,1%,1/2W,AA,TP,2.4X	
⚠ R415	2003-000993	A1004-0481	R-METAL OXIDE(S)	3.9KOHM,5%,1W,AF,TP,3.9X1	
R416	2001-001138	31018-377-391	R-CARBON(S)	390OHM,5%,1/2W,AA,TP,2.4X	
⚠ R417	2004-001390	31048-361-001	R-METAL(S)	1KOHM,2%,1/2W,AA,TP,2.4X6	
R418	2001-001156	31018-377-562	R-CARBON(S)	5.6KOHM,5%,1/2W,AB,TP,2.4	
R419	2001-000563	31018-177-273	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
R420	31018-177-753		R-CARBON/METAL FILM	RD 1/8T 75K-J	
R422	2001-001131	31018-377-333	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X	
⚠ R423	A1010-0085		R-FUSIBLE	RF 2 RT(S) R68-J	
⚠ R426	A1014-0066		R-CEMENT	RWC 5 I 1R2-J	
⚠ R427	2003-002008		R-METAL OXIDE(S)	18KOHM,5%,2W,AF,TP,3.9X10	
R428	31018-377-473		R-CARBON/METAL FILM	RD 1/2T 47K-J	
⚠ R603	2008-001002		R-FUSIBLE(S)	0.18OHM,5%,2W,AA,TP,3.9X1	
R604	2001-000387	31018-177-163	R-CARBON	16KOHM,5%,1/8W,AA,TP,1.8X	
R605	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R610	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R611	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R614	2001-000387	31018-177-163	R-CARBON	16KOHM,5%,1/8W,AA,TP,1.8X	
R701	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R702	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R703	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R704	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R705	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R707	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R708	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R709	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R710	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R711	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R712	2001-000539	31018-177-243	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	
R713	2001-000411	31018-177-183	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X	
R714	2001-000780	31018-177-471	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R715	2001-000786	31018-177-473	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R716	2001-000362	31018-177-151	R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
R717	2001-000362	31018-177-151	R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
R718	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
R719	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
R720	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R721	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R722	2001-000539	31018-177-243	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	
R723	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
R724	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
R725	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R726	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
⚠ R801	31028-378-335		R-COMPOSITION	RC 1/2T 3.3M-K/ERC-12GK 3	
⚠ R802	A1004-0431		R-METAL OXIDE	RS 2 RT(S) 103-J 10K	
⚠ R803	A1004-0431		R-METAL OXIDE	RS 2 RT(S) 103-J 10K	
⚠ R804	A1008-0019		R-METAL PLATE	RP 5 T R27-K	
⚠ R805	A1014-0094		R-CEMENT	RWC 5 I 110-J T WCR-ET	
R806	31018-377-102		R-CARBON/METAL FILM	RD 1/2T 1K-J	

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
⚠ R807	A1004-0454		R-METAL OXIDE	RS 2 RT 123-J 12K	
⚠ R808	A1004-0431		R-METAL OXIDE	RS 2 RT(S) 103-J 10K	
R809	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
R810	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
⚠ R811	A1014-0094		R-CEMENT	RWC 5 I 110-J T WCR-ET	
⚠ R812	2003-000592	A1004-0409	R-METAL OXIDE(S)	22OHM,5%,2W,AD,TP,4X12MM	
R813	31018-377-102		R-CARBON/METAL FILM	RD 1/2T 1K-J	
⚠ R814	31028-378-335		R-COMPOSITION	RC 1/2T 3.3M-K/ERC-12GK 3	
⚠ R815	31028-378-335		R-COMPOSITION	RC 1/2T 3.3M-K/ERC-12GK 3	
R816	2001-001181	31018-377-680	R-CARBON(S)	68OHM,5%,1/2W,AB,TP,2.4X6	
R817	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
⚠ R818	A1010-0094		R-FUSIBLE	RF 2 RT 470-J	
⚠ R819	A1010-0061		R-FUSIBLE	RF 2 RT 010-J	
R820	2001-001143	31018-377-432	R-CARBON(S)	4.3KOHM,5%,1/2W,AA,TP,2.4	
R821	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
⚠ R822	A1004-0431		R-METAL OXIDE	RS 2 RT(S) 103-J 10K	
R823	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
R824	2001-001094	A1000-0390	R-CARBON(S)	2.2KOHM,5%,1/2W,AB,TP,2.4	
R825	2001-001150	31018-377-474	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4	
R826	2001-001150	31018-377-474	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4	
R827	2001-001078	31018-377-153	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X	
R828	2001-001187	31018-377-750	R-CARBON(S)	75OHM,5%,1/2W,AA,TP,2.4X6	
R829	2001-001143	31018-377-432	R-CARBON(S)	4.3KOHM,5%,1/2W,AA,TP,2.4	
⚠ R830	2004-001399	A1006-0740	R-METAL(S)	5.1KOHM,1%,1/2W,AA,TP,2.4	
⚠ R831	2003-002020		R-METAL OXIDE(S)	56KOHM,5%,2W,AF,TP,3.9X10	
R901	31018-177-681		R-CARBON/METAL FILM	RD 1/8T 680-J/ERD-S2TJ 68	
R902	31018-177-681		R-CARBON/METAL FILM	RD 1/8T 680-J/ERD-S2TJ 68	
R903	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R904	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R905	2001-000793	31018-177-470	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R906	2001-000313	31018-177-113	R-CARBON	11KOHM,5%,1/8W,AA,TP,1.8X	
R907	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R908	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R909	2001-000066	31018-377-103	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R910	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R911	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R912	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R913	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R915	2001-000006	31018-177-242	R-CARBON	2.4KOHM,5%,1/8W,AA,TP,1.8	
R916	2001-001062	31018-377-106	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R917	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R918	31018-377-272		R-CARBON/METAL FILM	RD 1/2T 2.7K-J	
R919	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R920	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R921	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R922	2001-000800	31018-177-512	R-CARBON	5.1KOHM,5%,1/8W,AA,TP,1.8	
R923	2001-000252	31018-177-162	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
R924	31018-177-821		R-CARBON/METAL FILM	RD 1/8T 820-J	
R925	2001-000241	31018-177-152	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R926	2001-000241	31018-177-152	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R927	31018-377-272		R-CARBON/METAL FILM	RD 1/2T 2.7K-J	
R929	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R930	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R931	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R932	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R933	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R934	2001-000786	31018-177-473	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R935	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R936	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R937	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R938	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R939	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	

Loc No	Old Code No	New Code No	Description	Specification	Remarks
R940	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R941	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R942	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R943	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R944	2001-000522	31018-177-223	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
R947	2001-001062	31018-377-106	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R948	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R950	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R954	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RL801	3501-000285	34729-004-010	RELAY-POWER	12V,-,10A,-,15MS,5MS	
⚠ RN701	B1018-0051		R-NETWORK	RN 1/8 CB 6P 33K/24K/75RX	
⚠ RN901	2011-000860	A1018-0094	R-NETWORK	4.7KOHM,5%,1/8W,A,SIP,4P,	
RZ901	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RZ906	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
SF101	B1245-0063		FILTER-SAW	G3956M PAL-B/G VIF ST	
SO/WIRE	30509-410-216		WIRE-SO,COPPER	TA0.6SN/52M/M BOX	SO/WIRE ALL
SW801	3403-000179	A3002-0014	SWITCH-PUSH	250V,5A,DPST,-	
SW901	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW902	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW903	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW904	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW905	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
T201	A1190-0013		TRANS-VIF	38.9MHZ 150NH 7MG VIF ST	
⚠ T401	AA26-50001M	A1202-0008	HORIZ.DRIVE	-,60MH,520UH,4UH,EI19,-	
⚠ T444	AA26-30003A	A1201-0070	TRANS-FRYBACK	-,FTH-29A002,28",155V	
⚠ T801	AA26-20004L	A1206-0109	TRANS-SWITCHING	-,90~260V,CE,EER5345~1,46	
TOP	AA63-40206A		SHIELD-CASE	-,SPTE,T0.25,-,6844	
⚠ TU101	AA40-10003J	B1292-0082	TUNER-V/S	-,TELE4-003A,PAL-B/G,-,16	
⚠ X201	2801-000235	B1280-0089	CRYSTAL-UNIT	3.579545MHZ,40PPM,28-AAM,	
⚠ X202	2801-000276	34537-011-010	CRYSTAL-UNIT	4.433619MHZ,40PPM,28-AAM,	
X901	B1280-0219		CRYSTAL	32.768KHZ P3 20PPM	
Z102	B1243-0052		FILTER-CERAMIC	TR 5.5M TPS5.5MWATF21	
			ASSY-H/S		
	*AA96-50029A	*3H81-00340-000	ASSY-H/S	-,SOUND,AA62-30004M,TDA73	
⚠ IC601	B4012-0477		IC-LINEAR	TDA7394 ZIP BULK POWER AM	
			ASSY-H/S		
	*AA96-50121B	*3H83-00830-001	ASSY-H/S	-,POWER,AA62-30030A,TDA81	
⚠ IC802	B4008-1162		IC-S/W REGU	TDA8133 SIP 9P	
			ASSY-H/S		
	*AA96-50141B	*3H84-00250-001	ASSY-H/S	-,TR,AA62-30006C,KSA 614~	
⚠ Q403	0502-000242	A4052-0057	TR-POWER	KSA614,PNP,-80V,-55V,-3A,	
			ASSY-H/S		
	*AA96-50149E	*3H84-00350-004	ASSY-H/S	-,TR,AA62-30013A,FMLG-G26	
⚠ D806	0402-000231	B4102-0074	DIODE-RECTIFIER	FMG-G26S,600V,4A,TO-220F	
			ASSY-H/S		
	*AA96-50149G	*3H84-00350-006	ASSY-H/S	-,TR,AA62-30013A,FML-G22S	
⚠ D809	B4102-0087		DIODE-FR	FML-G22S 200V 10A 40NS	
			ASSY-H/S		
	*AA96-50154A	*3H84-00400-000	ASSY-H/S	-,TR,AA62-30002B,2SD1887,	
⚠ Q401	32159-210-032		TRANSISTOR	2SD1887YD	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
			ASSY-H/S		
	*AA96-50155C	*3H84-00410-004	ASSY-H/S	-,TR,AA62-30012C,KA78R05,	
⚠ IC804	1203-000568	A4008-1262	IC-VOLTAGE REGULATO		
			ASSY-H/S		
	*AA96-50156A	*3H83-00720-003	ASSY-H/S	-,POWER,AA62-30004E,STR-S	
⚠ IC801	AA13-20002K	B4010-0042	IC-HYBRID	-,STR-S6709 LF953,SIP,9P,	
			ASSY-H/S		
	*AA96-50159A	*3H82-00690-000	ASSY-H/S	-,VERT,AA62-30008D,TDA835	
⚠ IC301	B4012-0607		IC-LINEAR	TDA8350Q/N4 ZIP BULK VERT	
			ASSY-PWB,A/V		
	*3D39-00001-410		ASSY-PWB,A/V	SCT12B 6844 CKD	
PCB	AA41-10358A		PCB-A/V FRONT	SCT12A,1,FR-1,245X245X1.6	BARE PCB
CA02	2202-000121		C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CA03	2202-000121		C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CA04	2202-000720		C-CERAMIC,MLC-AXIAL	8.2NF,20%,16V,Y5R,3.5X19M	
CA05	2202-000720		C-CERAMIC,MLC-AXIAL	8.2NF,20%,16V,Y5R,3.5X19M	
CA06	2401-000269		C-AL	100UF,20%,16V,GP,6X11MM,5	
CA07	2401-000269		C-AL	100UF,20%,16V,GP,6X11MM,5	
CN	AA39-20105B		LEAD-CONNECTOR,ASSY	-,YSH025-04,S,4P,200,1007	
CN01A	AA39-20068E		LEAD-CONNECTOR,ASSY	-,YBNH025-08,67096-008,8P	
CN05A	AA39-20069A		LEAD-CONNECTOR,ASSY	-,YBNH025-05,67096-005,5P	
CN06A	33347-114-810		POST-HEADER	YW025-04(AUTO)	
JE01	3722-000143		JACK-PHONE	1P,3.4MM,-,MBAG	
JR01	A3040-0201		JACK-RCA,BLOCK	P13.6 V-F3 3P S/W	
LA02	2701-000114		INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LA03	2701-000114		INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LA04	2701-000180		INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
LA05	2701-000180		INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
RA01	2001-001060		R-CARBON(S)	100OHM,5%,1/2W,AB,TP,2.4X	
RA02	2001-001060		R-CARBON(S)	100OHM,5%,1/2W,AB,TP,2.4X	
			ASSY-TTX,MODULE		
	*3D39-00002-230		ASSY-TTX,MODULE	SCT12B 6844 CKD	
PCB	AA41-10482A		PCB-TTX	SCT12A,1,FR-1,99.5X74X1.6	BARE PCB
CNT01	33347-108-310		POST-HEADER	67094-003(AUTO)	
CNT02	33347-114-810		POST-HEADER	YW025-04(AUTO)	
CNT03	33347-108-110		POST-HEADER	67094-007 (AUTO)	
CT02	2401-000240		C-AL	100UF,20%,10V,GP,6X11MM,5	
CT03	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT04	A1104-0578		C-ELEC	CE 04 C 50V T 2R2-M BP 10	
CT08	31407-043-100B		C-CERAMIC,TEMP	CC45(T) RH 50V 10-D	
CT09	2201-000251		C-CERAMIC,DISC	15PF,5%,50V,SL,4X3.5MM,5M	
CT10	2201-000292		C-CERAMIC,DISC	1NF,10%,50V,Y5P,5*4,5MM,T	
CT11	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT12	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT13	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT14	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT17	2401-001537		C-AL	47UF,20%,25V,GP,6.3X7MM,5	
CT19	2202-000109		C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
CT20	2202-000109		C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT21	2202-000109		C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT22	2306-000122		C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT23	2401-000240		C-AL	100UF,20%,10V,GP,6X11MM,5	
DT01	32167-406-480		DIODE	1N4148 TAPG	
⚠ ICT01	B4012-0517		IC-LINEAR	SAA5281P/E DIP BULK 48P E	
ICT02	AA13-30002S		IC-MCU	-,PCF84C81AP/145,8BIT,DIP	
ICT03	B4000-0049		IC-EEPROM	XLS24C02P DIP	
ICT06	A4012-0283		IC-LINEAR	KIA7442P-AT TO-92 RESET	
LEAD/C	AA39-20002A		LEAD-CONNECTOR,ASSY	-,YSH025-04,S,4P,200,1007	
LEAD/C	AA39-20029A		LEAD-CONNECTOR,ASSY	-,67096-007,S,7P,200,1007	
LT01	2701-000170		INDUCTOR-AXIAL	3.9UH,10%,2.8X7MM	
PCB/H	AA61-20162A		HOLDER-PCB	-,HIPS,V0,BLK,-,6345,6845	
QT01	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT02	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT03	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT04	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT05	32137-301-720		TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT06	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
QT07	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
QT08	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
QT09	32137-401-530		TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
RT02	2001-000290		R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT03	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT04	2001-000302		R-CARBON	10OHM,5%,1/8W,AA,TP,1.8X3	
RT05	2001-000563		R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
RT06	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT07	2001-000290		R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT08	2001-000290		R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT09	2001-000005		R-CARBON	390OHM,5%,1/8W,AA,TP,1.8X	
RT10	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT11	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT12	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT13	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT14	2001-000005		R-CARBON	390OHM,5%,1/8W,AA,TP,1.8X	
RT15	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT16	2001-000281		R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
RT17	2001-000005		R-CARBON	390OHM,5%,1/8W,AA,TP,1.8X	
RT18	2001-000628		R-CARBON	300OHM,5%,1/8W,AA,TP,1.8X	
RT20	2001-000723		R-CARBON	4.3KOHM,5%,1/8W,AA,TP,1.8	
RT21	2001-000780		R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
RT24	2001-000780		R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
RT25	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT26	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT27	2001-000780		R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
RT28	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT35	2001-000273		R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
RT39	2001-000591		R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
RT40	2001-000290		R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT41	2001-000786		R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
RT42	2001-000411		R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X	
RT43	2001-000780		R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
RT44	2001-000362		R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
RT45	2001-000362		R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
RT46	2001-000780		R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
RT47	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT48	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT49	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT50	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT51	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT52	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT53	2001-000429		R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	

Loc No.	Old Code No.	New Code No.	Description	Specification	Remarks
⚠ RT54	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
⚠ RT55	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
⚠ RT56	31018-177-750		R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
SCREW	37148-530-101		SCREW-TAP,RH	2S-3X10 FE FZY	
XT01	2801-001118		CRYSTAL-UNIT	9.8304MHZ,50PPM,28-AAM,30	
XT02	2801-000214		CRYSTAL-UNIT	27MHZ,40PPM,28-AAM,S,40OH	
			REMOCON		
	*AA59-10027Q	*3F14-00048-180	REMOCON	-,TM48,SZM157ETX,43,WHT,S	
			ASSY-POWER,CORD		
P/CORD	AA39-10001M		POWER-CORD	-,KJP-140,KLCE-2F,2.4M,HO	
H/CORD	AA61-20045A		HOLDER-CORD	-,PP,V0,BLK,DO,-	
			ASSY-ACCESSORY		
BATT	34719-035-510		BATTERY	AAA-1.5V	
S/BAG	AA69-30002A		BAG-SHEET	LDPE,T0.05,W240,L400,-,L-	
			ASSY-PCB,CRT		
	*AA95-20005R		ASSY-PCB,CRT	DP,SCT12B,28",U.K,-	
PCB	AA41-10492A	36029-0576-000	PCB-CRT	SCT12A,1,FR-1,122X122X1.6	BARE PCB
C501	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NPO,10X3.5MM,	
C502	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NPO,10X3.5MM,	
C503	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NPO,10X3.5MM,	
C504	A1102-0249		C-FILM	CF 922 N 50V T 104-J -40/	
C505	A1102-0249		C-FILM	CF 922 N 50V T 104-J -40/	
C506	A1102-0249		C-FILM	CF 922 N 50V T 104-J -40/	
C507	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C508	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C509	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
⚠ C510	31517-002-530		C-M,POLYESTER	CFS922M TAPG 250V 474-J	
⚠ C511	31517-002-530		C-M,POLYESTER	CFS922M TAPG 250V 474-J	
⚠ C512	31517-002-530		C-M,POLYESTER	CFS922M TAPG 250V 474-J	
C513	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5M	
C514	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5M	
C515	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5M	
⚠ C517	A1100-0783		C-CERAMIC	CK 45 F 3KV 103-Z CK45FZ3	
⚠ C518	31607-403-490		C-ELECTROLYTIC	CE04W TAPG 250V 10M-M	
C519	2401-001937	A1104-0052	C-AL	22UF,20%,16V,GP,5X5MM,5MM	
C520	2401-000689	31607-401-530	C-AL	2200UF,20%,16V,GP,16X25MM	
C522	2401-001177	31607-401-660	C-AL	33UF,20%,25V,GP,5X11MM,5M	
CN07	AA39-20082A	36434-0025-000	LEAD-CONNECTOR,ASSY	-,67096-009,S,9P,600,2547	
CN07A	33347-110-110		POST-HEADER	67094-009 (AUTO)	
CN08	AA39-20027D	33058-017-024	LEAD-CONNECTOR,ASSY	-,67096-006,S,6P,600,1007	
CN08A	33347-108-140		POST-HEADER	67094-006 (AUTO)	
⚠ D501	32167-406-480		DIODE	1N4148 TAPG	
D503	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D504	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D505	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D506	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D507	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D508	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D511	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
⚠ D512	32167-406-480		DIODE	1N4148 TAPG	
DZ501	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	
DZ502	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	

Loc No	Old Code No.	New Code No	Description	Specification	Remarks
DZ503	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	
DZ504	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	
DZ505	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	
DZ506	0403-000654	32167-406-250	DIODE-ZENER	MTZ12,12V,11.4-12.6V,500M	
DZ507	0403-000655	32167-406-150	DIODE-ZENER	MTZ13A,13V,12.11-12.75V,5	
EY01	AA60-40011B	33104-107-220	EYELET	-,ID2.2,OD3.2,-,-,BSP	
EY02	AA60-40011B	33104-107-220	EYELET	-,ID2.2,OD3.2,-,-,BSP	
GT-PIN	33124-111-100		GT-PIN	1P AUTO	GT-PIN ALL
⚠ IC504	AA13-20003C	A4010-0095	IC-HYBRID	-,SPK101T,SIP,6P,SPOT KIL	
J518	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
R501	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R502	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R503	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R510	31018-377-121		R-CARBON/METAL FILM	RD 1/2T 120-J	
R511	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R512	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R513	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R514	31018-377-124		R-CARBON/METAL FILM	RD 1/2T 120K-J	
R515	31018-377-124		R-CARBON/METAL FILM	RD 1/2T 120K-J	
R516	31018-377-124		R-CARBON/METAL FILM	RD 1/2T 120K-J	
R517	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R518	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R519	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R520	2001-001086	31018-377-183	R-CARBON(S)	18KOHM,5%,1/2W,AA,TP,2.4X	
⚠ R521	31028-328-272		R-COMPOSITION	RC 1/2T 2.7K-K/ERC-12GK 2	
⚠ R522	31028-328-272		R-COMPOSITION	RC 1/2T 2.7K-K/ERC-12GK 2	
⚠ R523	31028-328-272		R-COMPOSITION	RC 1/2T 2.7K-K/ERC-12GK 2	
⚠ R525	31028-328-472		R-COMPOSITION	RC 1/2T 4.7K-K/ERC-12GL 4	
⚠ R526	A1010-0053		R-FUSIBLE	RF 2 T 820-J	
⚠ R527	2008-000194	31057-201-019	R-FUSIBLE	2.4OHM,5%,2W,AA,TP,6X15.5	
R529	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R530	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
⚠ R531	31028-328-825		R-COMPOSITION	RC 1/2T 8.2M-K/ERC-12GK 8	
⚠ R533	31028-328-825		R-COMPOSITION	RC 1/2T 8.2M-K/ERC-12GK 8	
⚠ V999	33356-063-680		SOCKET-CRT	HF-29.1S ST	
VL03	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
VL04	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
			ASSY-H/S		
	*AA96-50151A	*3H84-00370-000	ASSY-H/S	-,TR,AA61-10060A,TDA6101Q	
⚠ IC501	32119-110-111		IC	TDA6101Q ZIP	
			ASSY-H/S		
	*AA96-50151A	*3H84-00370-000	ASSY-H/S	-,TR,AA61-10060A,TDA6101Q	
⚠ IC502	32119-110-111		IC	TDA6101Q ZIP	
			ASSY-H/S		
	*AA96-50151A	*3H84-00370-000	ASSY-H/S	-,TR,AA61-10060A,TDA6101Q	
⚠ IC503	32119-110-111		IC	TDA6101Q ZIP	
			ASSY-MODULE,STEREO		
	*AA95-90009D		ASSY-MODULE,STEREO	DP,CX6844W/UKVCX,SCT12B,C	
PCB	AA41-10401A	36029-0495-000	PCB-SOUND	SCT12A,1,FR-1,110X91X2T	BARE PCB
CJ07	31607-402-220		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
CJ102	31607-402-720		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M-M(NP)	
CJ12	2401-000947	31607-402-070	C-AL	22UF,20%,35V,GP,5X11MM,-,	

Loc No	Old Code No	New Code No	Description	Specification	Remarks
CJ13	2401-000947	31607-402-070	C-AL	22UF,20%,35V,GP,5X11MM,-,	
CJ16	31607-402-220		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
CJ17	31607-402-220		C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
CJ18	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ21	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ26	2401-000808	31607-401-480	C-AL	220UF,20%,16V,GP,8X11MM,5	
CJ28	2401-000471	31607-974-003	C-AL	10UF,20%,50V,BP,6X11MM,5M	
CJ32	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ36	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ39	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ62	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ64	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ66	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ67	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ70	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ72	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ75	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ76	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ78	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ81	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
CJ83	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ87	2305-000411	31507-127-026	C-FILM,MPEF	470NF,5%,50V,7.3X4.8X5.5M	
CJ90	31607-402-240		C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
CJ91	31607-402-240		C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
CJ95	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CL02	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CN603	33124-210-012		PIN-HEADER	YFAW-025-112(12PIN 2.5MM)	
CN604	33124-210-012		PIN-HEADER	YFAW-025-112(12PIN 2.5MM)	
DJ20	0405-000108	32167-661-014	DIODE-VARACTOR	BB405B,28V,10NA,DO-34,TP	
DJ21	32167-406-480		DIODE	1N4148 TAPG	
ICJ01	B4012-0578		IC-LINEAR	TDA9813 SOP TAPE MULTI-IF	
ICJ02	B4012-0149		IC-LINEAR	TDA9840/V1 DIP TV-AUDIO M	
ICJ03	B4012-0391		IC-LINEAR	TDA9859 DIP TV-AUDIO SURR	
IF/T	AA63-40037A	32073-0082-000	SHIELD-CASE	-,SPTE,T0.5,SCT12A,-	
L-AUDIO	AA68-50334A		LABEL-AUDIO	A/P,-,-,-,BLK,CX(A2+STERE	
LJ01	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ02	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ03	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ04	2702-000131	32427-904-770	INDUCTOR-RADIAL	2.2MH,5%,6.2X7.4MM	
LJ05	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ06	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ07	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ10	2701-000123	A1132-0093	INDUCTOR-AXIAL	150UH,10%,2.5X3.4MM	
RJ09	2001-001060	31018-377-101	R-CARBON(S)	100OHM,5%,1/2W,AB,TP,2.4X	
RJ51	31018-377-335		R-CARBON/METAL FILM	RD 1/2T 3.3M-J	
RJ54	2001-001092	31018-377-109	R-CARBON(S)	1OHM,5%,1/2W,AB,TP,2.4X6.	
RJ58	2001-001096	31018-377-229	R-CARBON(S)	2.2OHM,5%,1/2W,AA,TP,2.4X	
TJ01	AA26-10004E	A1190-0014	TRANS-IF	-,7MG,VIF,-,7MM,-,116.7MH	
VRJ01	B1054-0249		VR-SEMI	NVZ6TLTA20KB 20KB CERMET	
VRJ02	B1054-0249		VR-SEMI	NVZ6TLTA20KB 20KB CERMET	
XJ01	2801-000125	34537-001-000	CRYSTAL-UNIT	10MHZ,20PPM,28-AAM,32PF,3	
XJ02	2801-000993	34537-001-021	CRYSTAL-UNIT	8.192MHZ,30PPM,28-AAM,30P	
ZJ01	2904-000259	34529-700-005	FILTER-SAW AV	38.9MHZ,SIP5P,ST	
ZJ02	B1245-0047		FILTER-SAW	K9350M PAL-B/G,D/K SIF ST	
ZJ03	2903-000189	34527-460-017	FILTER-CERAMIC	BP,5.74MHZ	
ZJ04	2903-000189	34527-460-017	FILTER-CERAMIC	BP,5.74MHZ	
ZJ07	2903-000135	B1243-0071	FILTER-CERAMIC	BP,4.5MHZ	
ZJ08	2903-000135	B1243-0071	FILTER-CERAMIC	BP,4.5MHZ	
ZJ09	2903-000184	34527-460-030	FILTER-CERAMIC	BP,5.5MHZ	
ZJ10	2903-000184	34527-460-030	FILTER-CERAMIC	BP,5.5MHZ	
ZJ11	B1243-0070		FILTER-CERAMIC	BP 6.0M SFSH6.0MCB-TF21 T	
ZJ12	B1243-0070		FILTER-CERAMIC	BP 6.0M SFSH6.0MCB-TF21 T	

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
ZJ13	2903-000200	34527-460-050	FILTER-CERAMIC	BP,6.5MHZ	
ZJ14	2903-000200	34527-460-050	FILTER-CERAMIC	BP,6.5MHZ	
			ASSY-SPEAKER (CKD)		
⚠ SPK	3001-000150	A1300-0037	SPEAKER	20W,8OHM,91DB,130HZ	
LEAD/C	AA39-20452F		LEAD CONNECTOR-ASSY	-,YFH800-01,CLIP,1P,600MM	
LEAD/C	AA39-20459A		LEAD CONNECTOR-ASSY	-,SMH250-04,REC110,4,300,	
			ASSY-CRT		
⚠ CRT	B1320-0017		CRT-COLOR	A66EAK252X21 28INCH 110DE	
			ASSY-CABINET		
CRT+CF	37124-100-830		SCREW-CRT	RH5X35 FE FZY	
CB+CF	37148-540-153		SCREW-TAP,RH	2S-4X15 FE FZB	
CB+RCA	37148-540-153		SCREW-TAP,RH	2S-4X15 FE FZB	
KNOCON	37148-540-153		SCREW-TAP,RH	2S-4X15 FE FZB	
SPK+CF	37148-540-153		SCREW-TAP,RH	2S-4X15 FE FZB	
WR+CF	37148-540-153		SCREW-TAP,RH	2S-4X15 FE FZB	
PA+CF	AA60-10002A	37144-001-210	SCREW-TAPPING	-,RH,+,M4,L12,ZPC(YEL) CO	
S/PCB	AA61-40053A	33383-0004-000	STOPPER-PCB	-,HIPS,HB,-,WHT,ALL MODEL	
KNPOMA	AA61-60003M	36674-138-410	SPRING-CS	-,-,SUS304,P10.6,-,-,-	
G/WOOF	AA63-50191A	34001-0107-000	GRILLE-WOOFER	-,SECC,-,T0.6,-,P10.6,684	
G/WOOF	AA63-50201A	34001-0147-000	GRILLE-WOOFER	-,SECC,-,T0.6,-,PA110 3R	
KNOCON	AA64-10347A	34083-0283-000	KNOB-CONTROL	-,ABS,HB,BLK,-,6844	
KNOPOW	AA64-10348A	34083-0284-000	KNOB-POWER,M	-,ABS,HB,BLK,-,6844	
WIN/RE	AA64-40243A	34073-0120-000	WINDOW-REMOCON	-,PC,-,-,-,6844,-	
IND/LED	AA64-40249A	34163-0068-000	INDICATOR-LED	-,ACRYL,HB,-,-,6844,-	
BADGE	AA64-70011B	34533-0075-010	BADGE-BRAND	-,AL-FORGING,-,L60,SILVER	
CLMP/C	AA65-30008A	36633-101-610	CLAMP-CORD	-,PE,HB,BLK,-,-	
CLMP/W	AA65-30010A	36634-111-010	CLAMP-WIRE	-,NYLON-66,V0,NTR,-,-	
CLMP,D	AA65-30019A	36635-112-110	CLAMP-D,COIL	-,NYLON-66,V0,NTR,DADH-46	

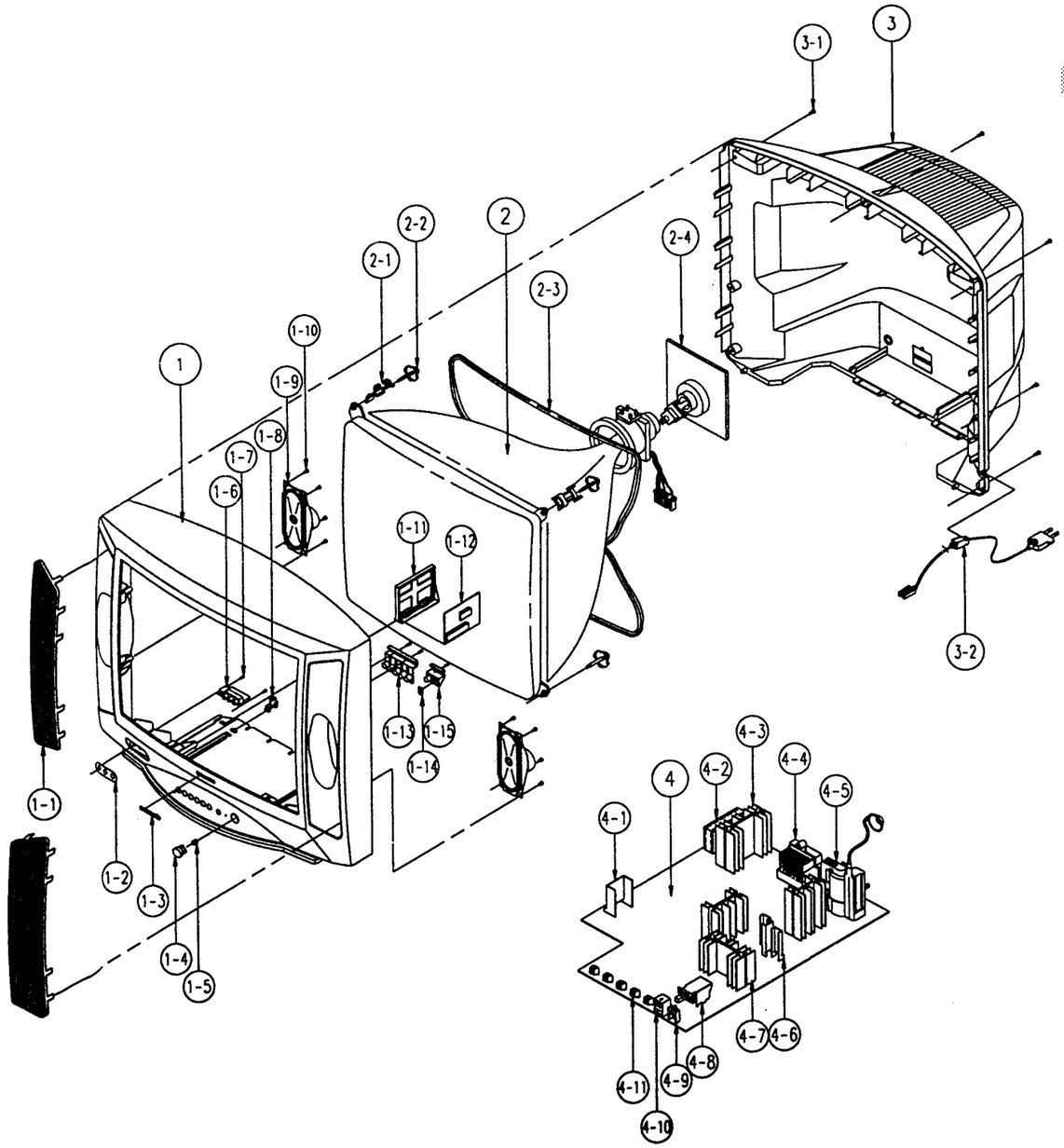
7-2 CX6844W/UKVCX and CX6844N/UKVCX Disimillar Parts

Loc No	Old Code No.	New Code No.	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
	*AA97-10029U		ASSY-PCB,MAIN(COM)	CX6844N/UKVCX,SCT12B,SPAI	
LEAD/C	AA39-20452F		LEAD CONNECTOR-ASSY	-,YFH800-01,CLIP,1P,600MM	
			ASSY-SOUND		
	*AA95-40007S		ASSY-SOUND	DP,CX6844N/UKVCX,SCT12B,N	
⚠ ICJ04	1204-000449		IC-DECODER	SAA7283ZP,DIP,52P,600MIL,	
⚠ ICJ05	32119-201-010		IC	MC 4558C	

Memo

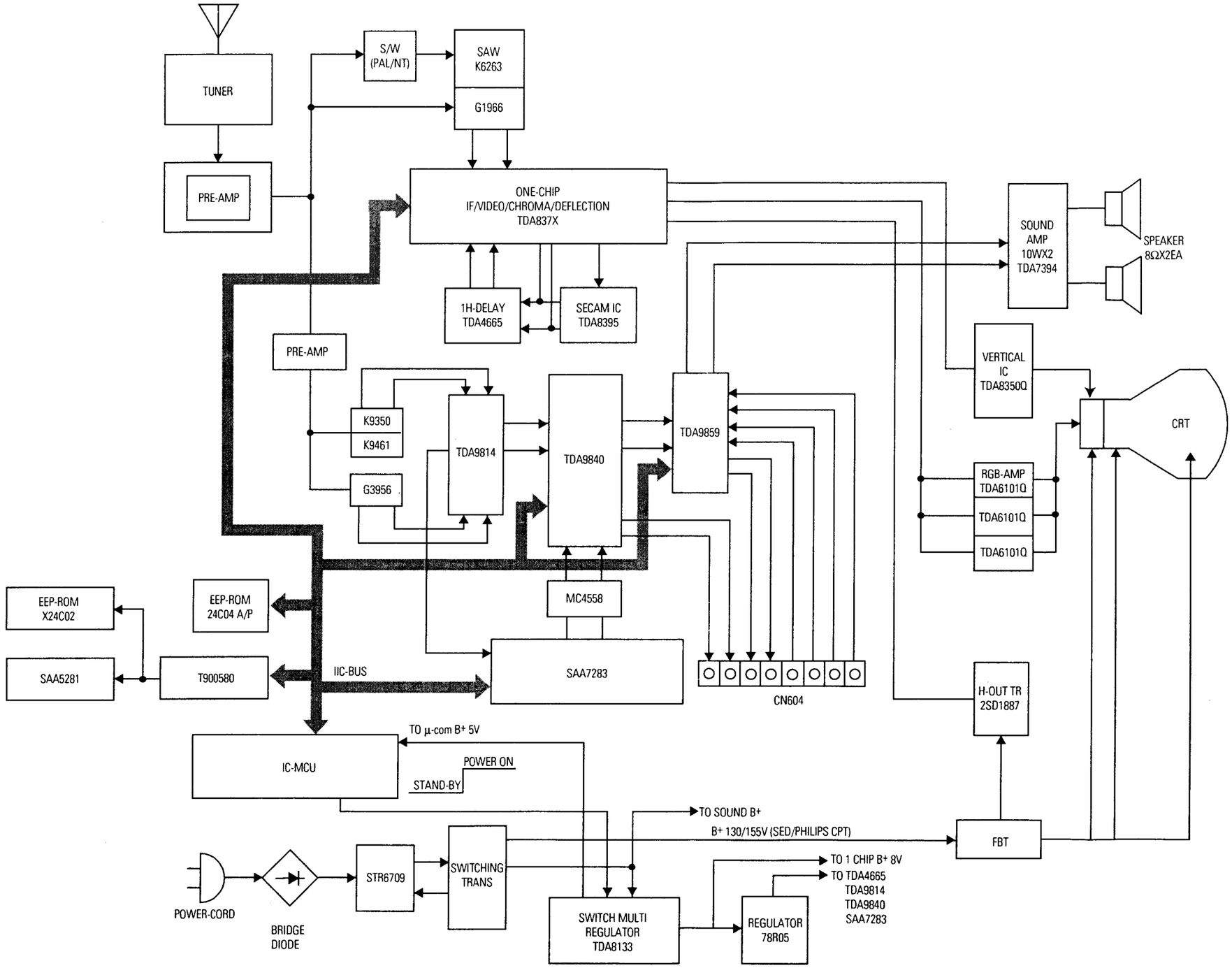
6. Exploded View and Parts List

6-1CX6844W, N



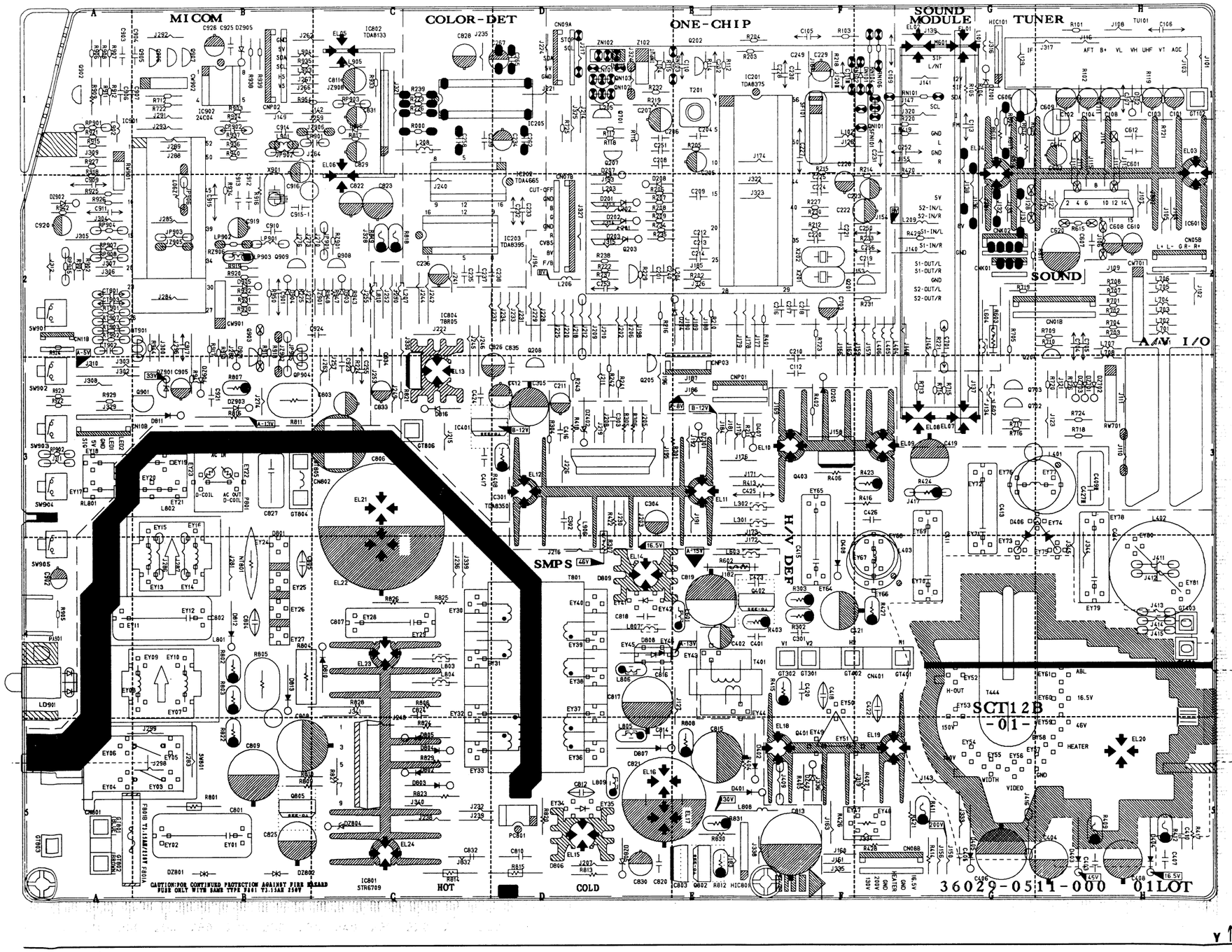
No	New Code No	Old Code No.	Description	Specification	Q'ty	Remarks
1			FRONT-CABINET			LOCAL PART
1-1	AA63-50191A	34001-0107-000	GRILLE-WOOFER	SECC,T0.6,PI0.6,6844	1	
	AA63-50201A	34001-0147-000	GRILLE-WOOFER	SECC,T0.6,PA110 3R	1	
1-2	A3040-0201		JACK-RCA,BLOCK	PI3.6 V-F3 3P S/W	1	
1-3	AA64-70011B	34533-0075-010	BADGE-BRAND	AL-FORGING,L60,SILVER	1	
1-4	AA64-10348A	34083-0284-000	KNOB-POWER	ABS HB BLK 6844	1	
1-5	AA61-60003M	36674-138-410	SPRING-CS	SUS304,PI0.6	1	
1-6	*3D39-00001-410		ASSY-PWB,A/V	SCT12B 6844 CKD	1	
1-7	AA60-10002A	37144-001-210	SCREW-TAPPING(PA+CF)	RH,+M4,L12,ZPC(YEL) OD	2	
1-8	AA61-40053A	33383-004-000	STOPPER-PCB	HIPS,HB,WHT,ALL MODEL	1	
1-9	3001-000150	A1300-0037	SPEAKER	20W,8ohm,91DB,130HZ	1	
1-10	37148-540-153		SCREW-TAP,RH(SPK+CF)	2S-4X15 FE FZB	8	
1-11	*3D39-00002-230		ASSY-TTX,MODULE	SCT12B 6844 CKD	1	
1-12	*AA95-90009D		ASSY-MODULE,STEREO	CX6844W/UKVCX,SCT12B	1	
1-13	AA64-10347A	34083-0283-000	KNOB-CONTROL	ABS,HB,BLK,6844	1	
1-14	AA64-40249A	34163-0068-000	INDICATOR-LED	ACRYL,HB,6844	1	
1-15	AA64-40243A	34073-0120-000	WINDOW-REMOCON	PC,6844	1	
2	B1320-0017		CRT-COLOR	A66EAK252X21 28INCH 110DE	1	
2-1	AA65-30019A	36635-112-110	CLMP-D,COIL	NYLON-66,VO,NTR,DADH-46	4	
2-2	37124-100-830		SCREW-CRT(CRT+CF)	RH5X35 FE FZY	4	
2-3	AA27-20002A	A1149-0014	COIL-DEGAUSING	29",13.3ohm 70T,L3100	1	
2-4	*AA95-20005R		ASSY-PCB,CRT	DP,SCT12B,28",UK	1	
3			CABINET-BACK			LOCAL PART
3-1	37148-540-153		SCREW-TAP,RH(CB+CF)	2S-4X15 FE FZB	7	
3-2	AA39-10001M		POWER-CORD	KJP-140,KLCE-2F,2.4M,HO	1	
	AA61-20045A		HOLDER-CORD	PP,VO,BLK,DO	1	
4	AA41-10586A		PCB-MAIN	SCT12B,1L,FR-1 330X245X1.6	1	BARE PCB
4-1	*AA96-50121B	*3H83-00830-001	ASSY-H/S,POWER(IC802)	TDA8133 SIP	1	
4-2	AA40-10003J	B1292-0082	TUNER-V/S	TELE4-003A,PAL-B/G	1	
4-3	*AA59-50029A	*3H81-00340-000	ASSY-H/S,SOUND(IC601)	TDA7394 ZIP BULK POWER	1	
4-4	A3040-0177		JACK-SCART	RGB-2 42P	1	
4-5	AA26-30003A	A1201-0070	TRANS-FLY BACK	FTH-29A002,28",155V	1	
4-6	*AA96-50149G	*3H84-00350-006	ASSY-H/S,TR(D809)	FML-G22S 200V 10A 40NS	1	
4-7	*AA96-20002K	*3H83-00720-003	ASSY-H/S,POWER(IC801)	STR-S6709	1	
4-8	3403-000179	A3002-0014	SWITCH-PUSH	250V,5A,DPST	1	
4-9	*3H77-00001-070		ASSY-LED,GUIDE	DL-G5RGA	1	
4-10	AA59-60001U	A1294-0035	MODULE-REMOCON	ORC-50VF,38KHZ,940NM,ME	1	
4-11	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,90-170GF	5	

8. System Block Diagram

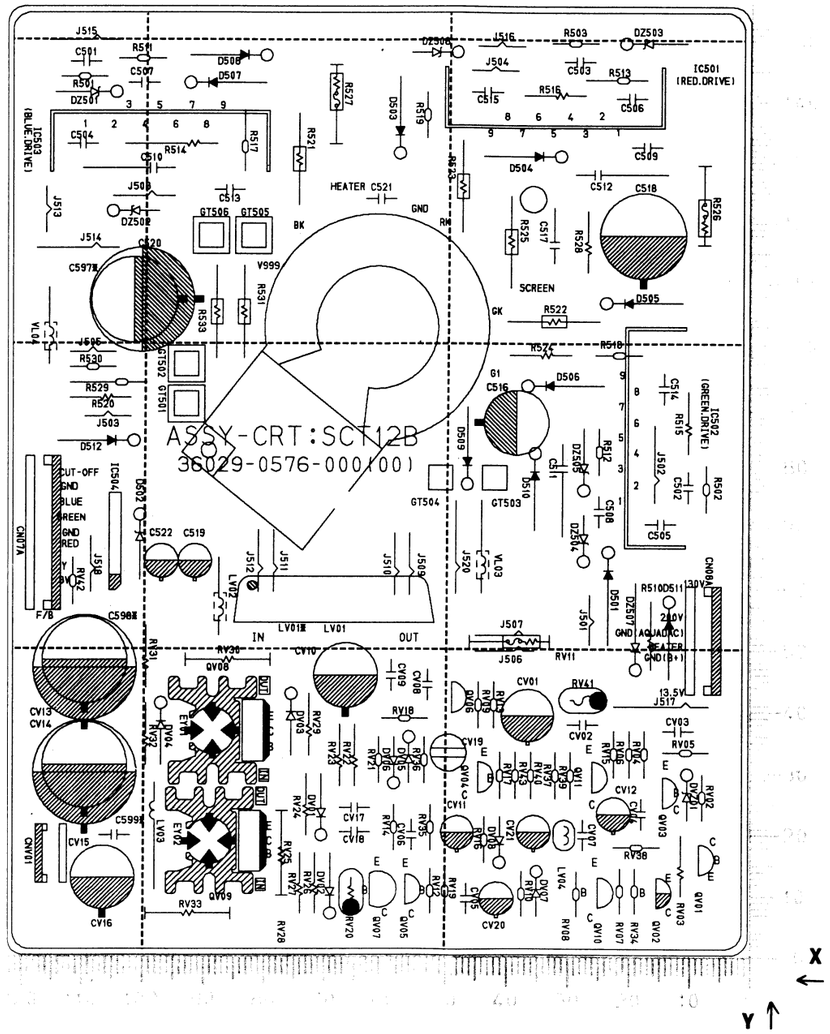


9. PCB Layout Diagram

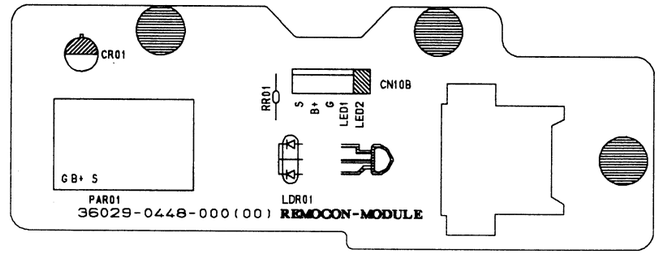
9-1 PCB-MAIN



LOC NO	X	Y	LOC NO	X	Y
DIODE			HIC801	130	7
D102	23	215	IC201	118	218
D201	159	191	IC202	197	193
D202	159	186	IC203	217	187
D203	159	181	IC301	190	112
D204	149	165	IC401	202	130
D205	108	143	IC601	5	199
D207	163	199	IC801	229	13
D208	157	196	IC802	241	233
D401	125	29	IC803	147	12
D402	127	33	IC804	214	145
D403	38	7	IC901	280	208
D404	18	7	IC902	270	227
D405	67	8	***TRANSISTOR***		
D406	43	95	Q201	93	169
D407	127	124	Q202	143	226
D408	104	88	Q203	161	169
D801	258	72	Q204	42	148
D802	223	35	Q205	156	145
D803	211	31	Q207	168	205
D804	211	41	Q208	185	146
D805	223	44	Q401	120	41
D806	174	18	Q402	129	81
D807	150	41	Q403	91	124
D808	149	67	Q701	166	214
D809	157	89	Q702	53	135
D810	246	69	Q703	53	140
D811	285	133	Q802	141	12
D812	271	69	Q805	256	25
D813	256	52	Q901	298	137
D815	241	211	Q902	313	224
D816	218	135	Q903	266	147
D901	270	147	Q905	294	229
D903	241	171	Q906	289	229
D904	256	171	Q907	285	229
D905	264	169	Q908	240	174
DN101	97	229	Q909	251	174
DZ101	63	227	QN101	93	214
DZ301	142	130	QN102	171	221
DZ401	111	37	QN103	171	225
DZ402	174	125	QP904	252	152
DZ701	36	137	QT901	297	149
DZ702	33	137	***OTHERS***		
DZ703	38	137	T201	143	216
DZ801	275	7	T401	135	50
DZ802	255	7	T444	57	50
DZ804	245	20	T801	171	81
DZ805	164	7	TU101	10	230
DZ901	289	143	X201	110	171
DZ902	314	192	X202	110	176
DZ903	266	135	X901	259	196
DZ904	280	139	XZ901	259	191
DZ905	268	230	Z102	158	231
I. C			ZN102	165	231
HIC101	59	225			

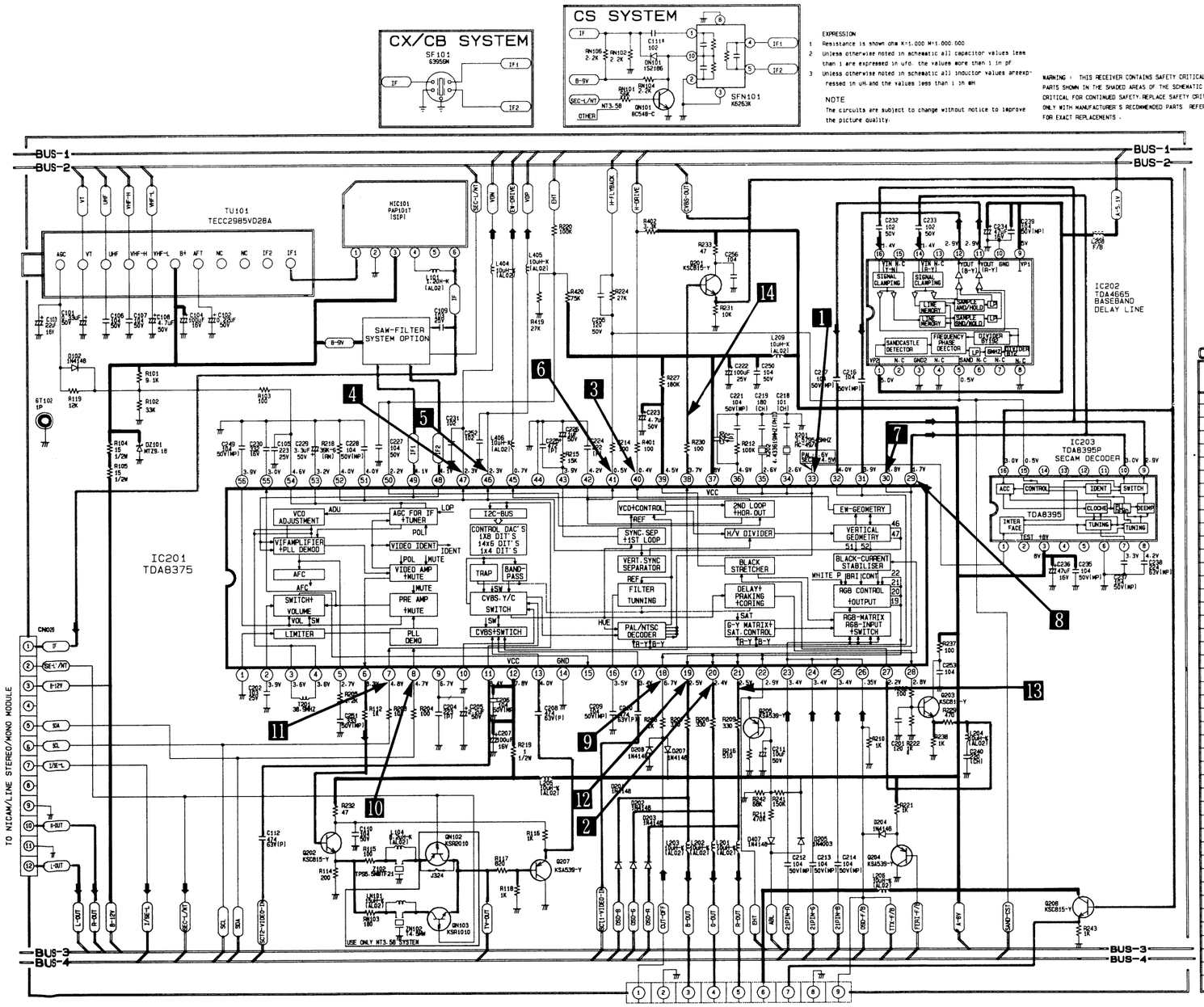


LOC NO	X	Y	LOC NO	X	Y
DIODE			DZ503	20	149
D501	23	66	DZ504	27	64
D502	100	72	DZ505	27	76
D503	57	131	DZ506	48	147
D504	31	130	DZ507	18	47
D505	23	106	***I. C***		
D506	36	93	IC501	24	134
D507	92	142	IC502	21	77
D508	79	147	IC503	104	138
D509	46	77	IC504	104	61
D510	35	82	***TRANSISTOR***		
D511	13	58	QV01	8	13
D512	101	84	QV02	15	8
DV01	70	20	QV03	14	24
DV02	68	7	QV04	44	27
DV03	75	43	QV05	56	8
DV04	96	41	QV06	48	40
DV05	55	36	QV07	60	8
DV06	58	28	QV08	88	37
DV07	34	14	QV09	88	19
DV08	40	15	QV10	24	8
DVZ01	10	30	QV11	25	27
DZ501	104	141			
DZ502	104	121			



11. Schematic Diagrams

11-1 PWB-MAIN (One-Chip)



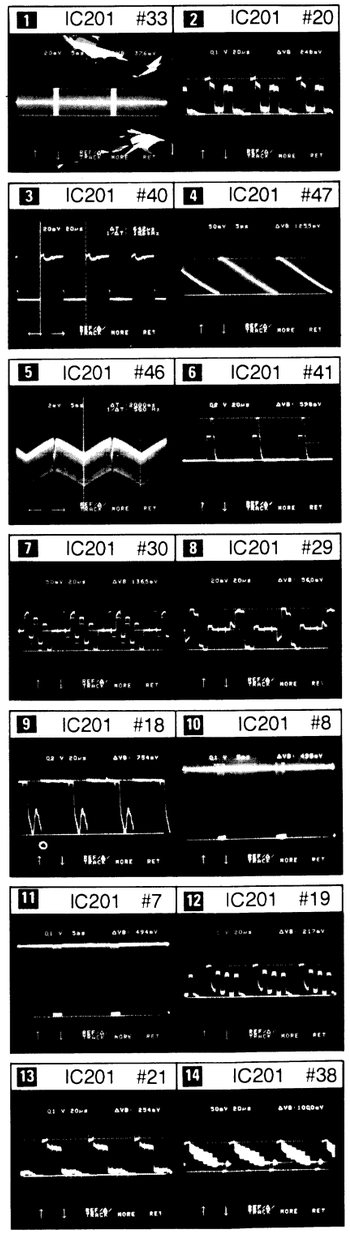
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMJ)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement-Wire	(RW)
Network	(RA)

METAL PLATE CEMENT	WPC
HIGH RIPPLE	HR

OPTION LIST

LOC.NO	SCT12A		SCT12B
	21/20 INCH	14/16 INCH	29 INCH
R241	RD 1/8T 220K		RD 1/8T 150K
R242	RD 1/8T 91K		RD 1/8T 68K
R211	RD 1/8T 270K		RD 1/8T 470K
R419	RD 1/8T 27K		RD 1/8T 27K
R420	RD 1/8T 75K		RD 1/8T 75K
R220			RD 1/8T 100K
R243			RD 1/8T 1K
R217	RD 1/2T 3.3M		
L406			AL02 10uH
C255	C-CIAXIAL 15PF		C-CIAXIAL 12PF
Q208			C815-Y
IC201	TDA8374A		TDA8375
C114	16V 47uF		
L101	10uH(AL02)		
R429			1/8T 100K



: Power Line Signal Line

11-2 PWB-MAIN (Power)

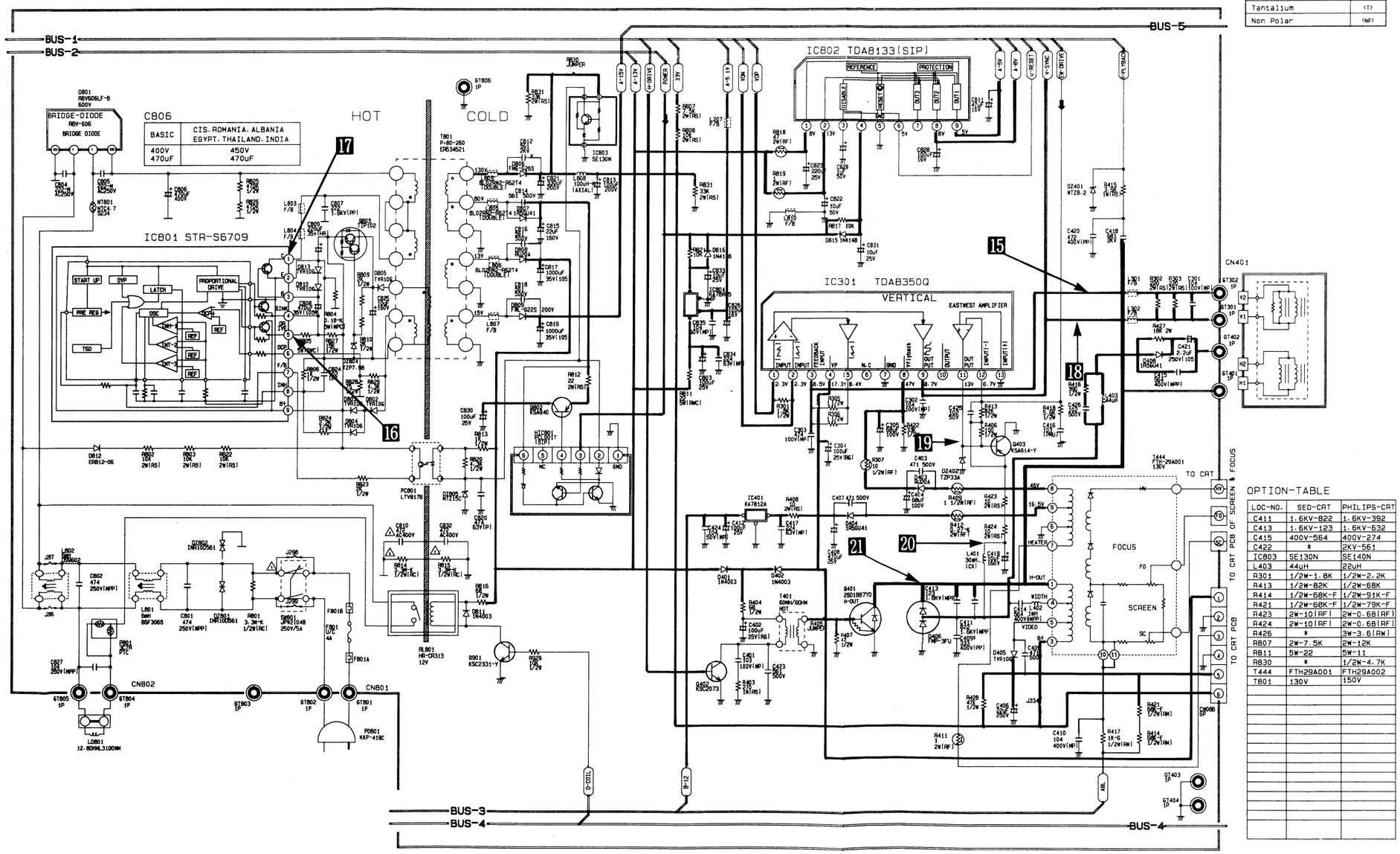
EXPRESSION
1 Resistance is shown ohm K=1,000 M=1,000,000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than 1 in MH.

NOTE
The circuits are subject to change without notice to improve the picture quality.

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY.REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement. Wire	(RW)
Network	(RN)

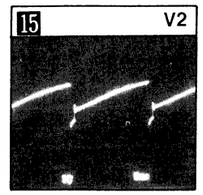
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)



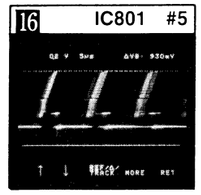
OPTION-TABLE

LOC-NO.	SED-CRT	PHILIPS-CRT
C411	1.6KV-822	1.6KV-392
C413	1.6KV-123	1.6KV-632
C415	400V-564	400V-274
C422	*	2KV-561
IC803	SE130N	SE140N
L403	44uH	22uH
R301	1/2W-1.8K	1/2W-2.2K
R413	1/2W-82K	1/2W-68K
R414	1/2W-68K-F	1/2W-91K-F
R421	1/2W-68K-F	1/2W-79K-F
R423	2W-10(RF)	2W-0.68(RF)
R424	2W-10(RF)	2W-0.68(RF)
R426	*	3W-3.6(RW)
RB07	2W-7.5K	2W-12K
RB11	5W-22	5W-11
RB30	*	1/2W-4.7K
T444	FTH29A001	FTH29A002
T801	130V	150V

15 V2

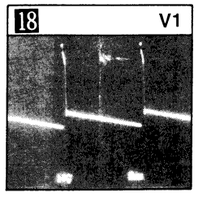


16 IC801 #5

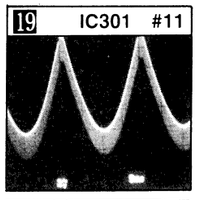


17 IC801 #1

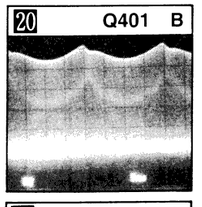
18 V1



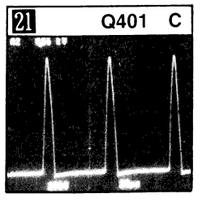
19 IC301 #11



20 Q401 B



21 Q401 C



——— : Power Line ——— : Signal Line

EXPRESSION
1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH and the values less than 1 in mH.

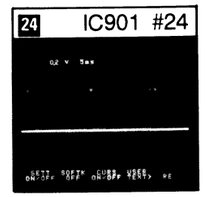
NOTE
The circuits are subject to change without notice to improve the picture quality.

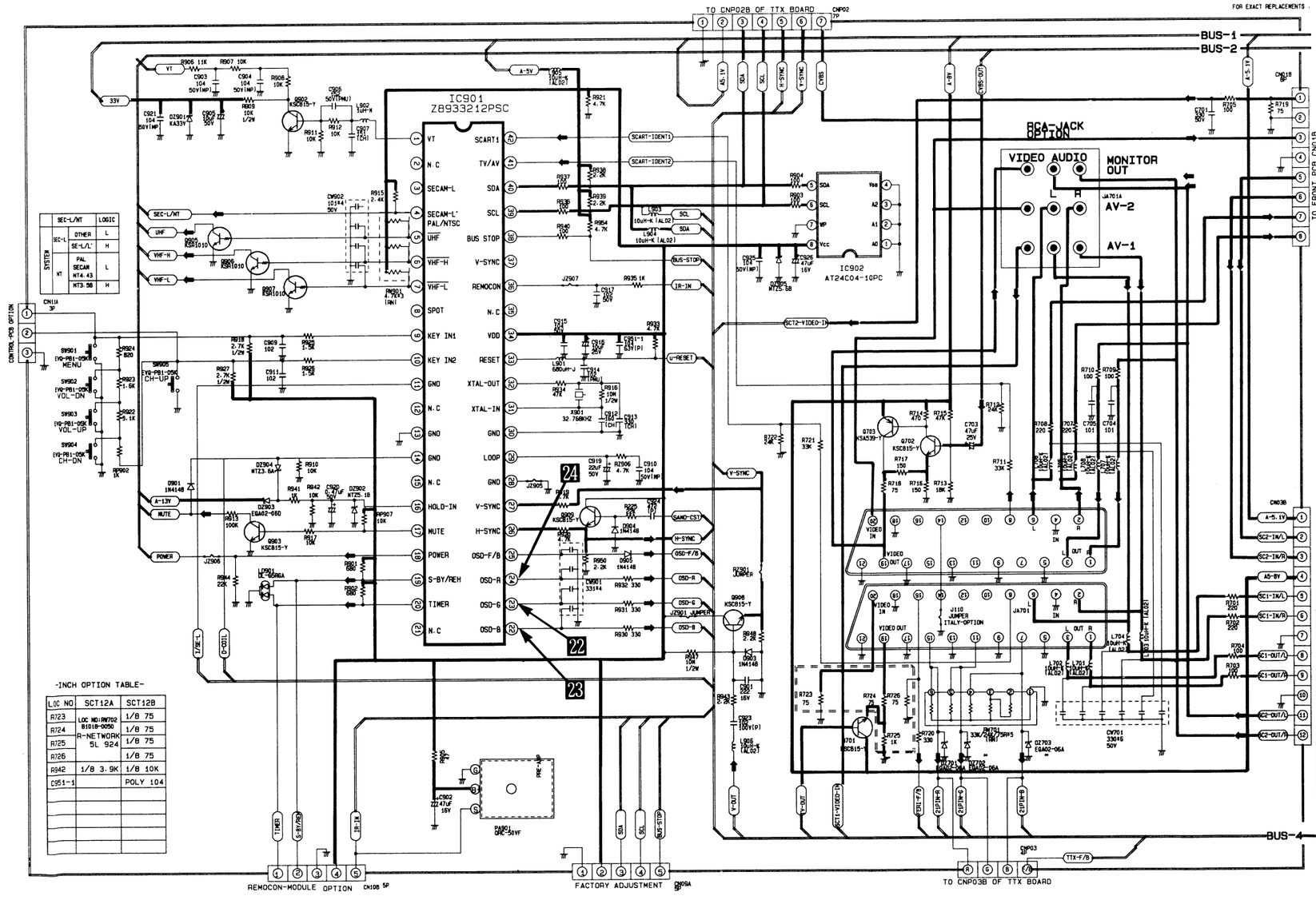
WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY.REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

22 IC901 #23

23 IC901 #22

24 IC901 #24





SYSTEM		SEC-L/WT	LOGIC
SEC-L		OTHER	L
		SE-L/L'	H
WT		PAL SECAM NT4.43	L
		NT3.58	H

-INCH OPTION TABLE-

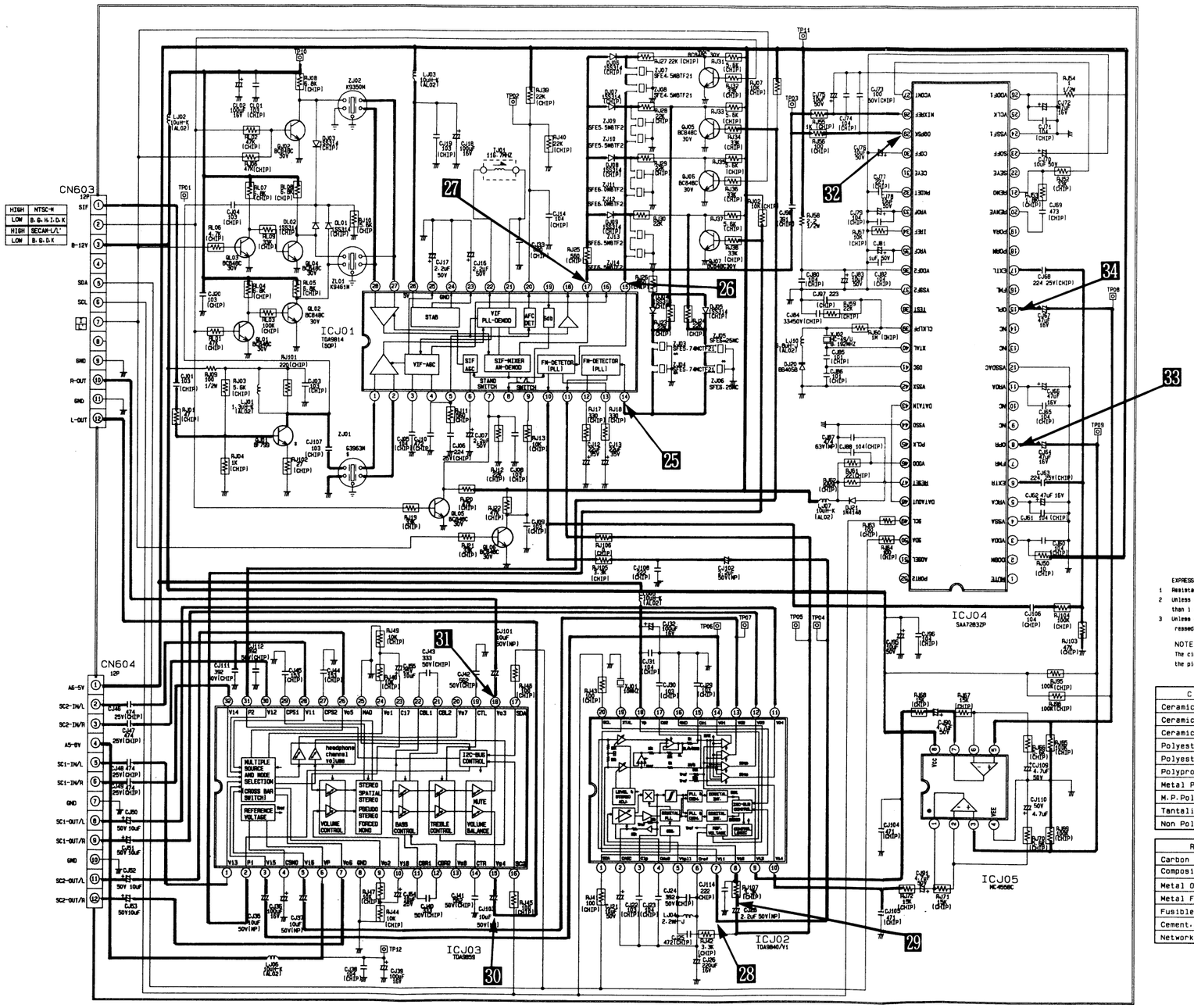
LOC NO	SCT12A	SCT12B
R723	LOC NO:RM702 R-NETWORK 5L 924	1/8 75
R724		1/8 75
R725		1/8 75
R726		1/8 75
R942	1/8 3.9K	1/8 10K
C951-1		POLY 104

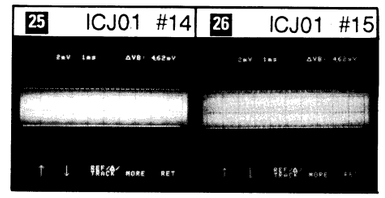
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMJ)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

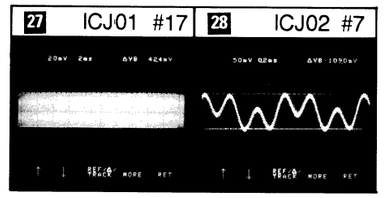
RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement-Wire	(RW)
Network	(RA)

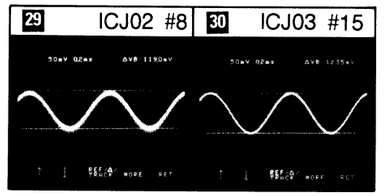
METAL PLATE CEMENT	MPC
HIGH RIPPLE	HR

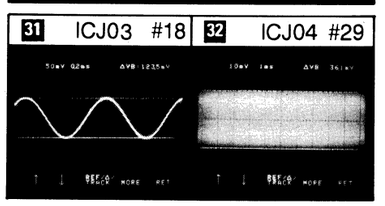
——— : Power Line ——— Signal Line

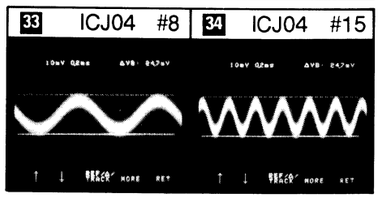












EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than 1 in mH.

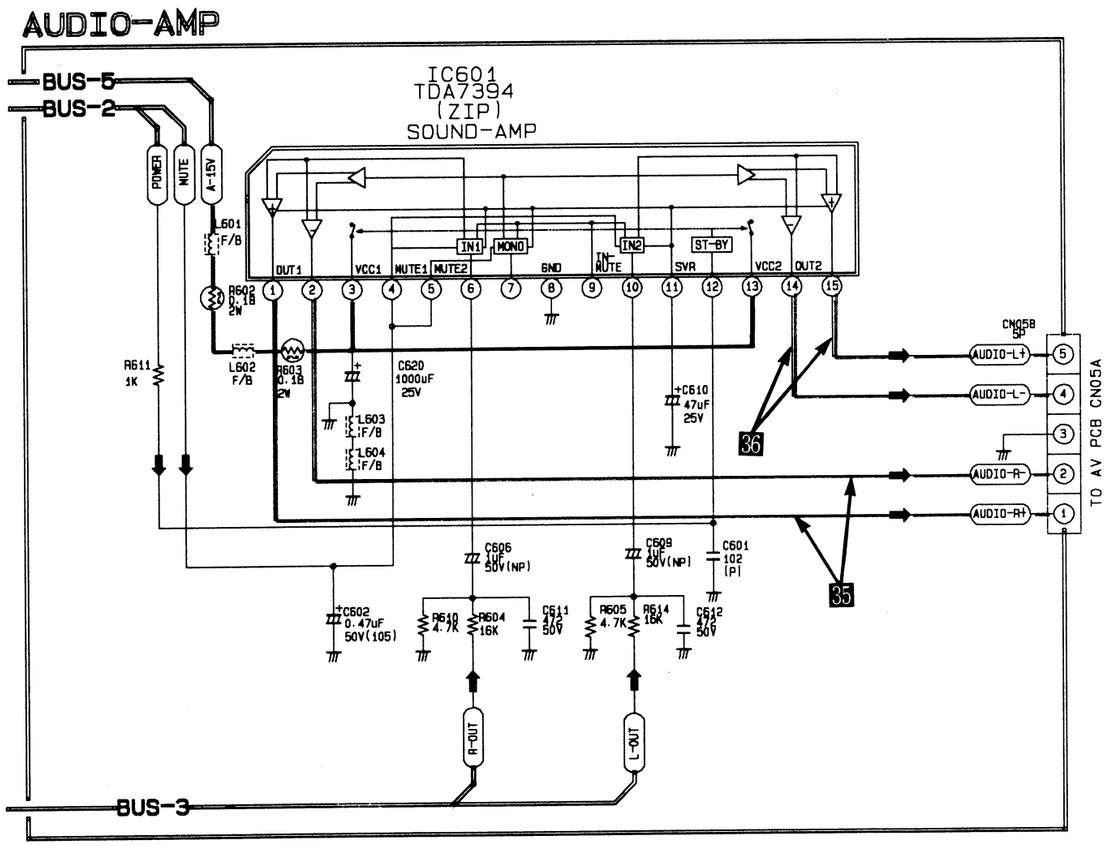
NOTE

The circuits are subject to change without notice to improve the picture quality.

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PNU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement Wire	(RW)
Network	(RN)

——— : Power Line ——— : Signal Line



EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF
3 Unless otherwise noted in schematic all inductor values areexpressed in uH. and the values less than 1 in mH.

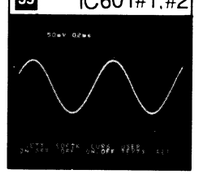
NOTE

The circuits are subject to change without notice to improve the picture quality.

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

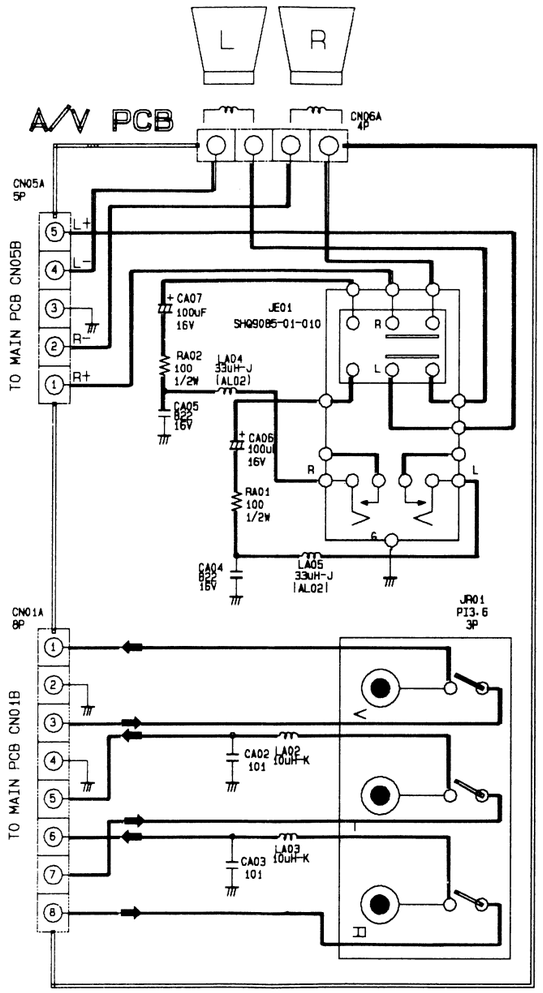
RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RM)
Fusible	(RF)
Cement. Wire	(RW)
Network	(RN)

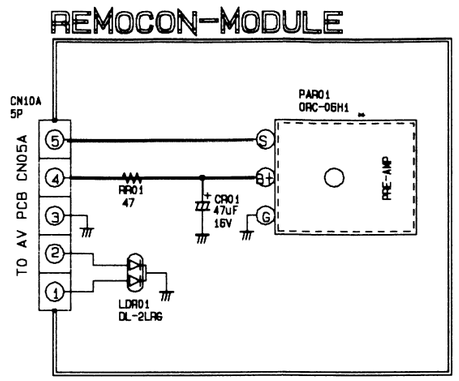
35 IC601#1,#2



36 IC601#14,#15

———: Power Line





EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH and the values less than 1 in mH.

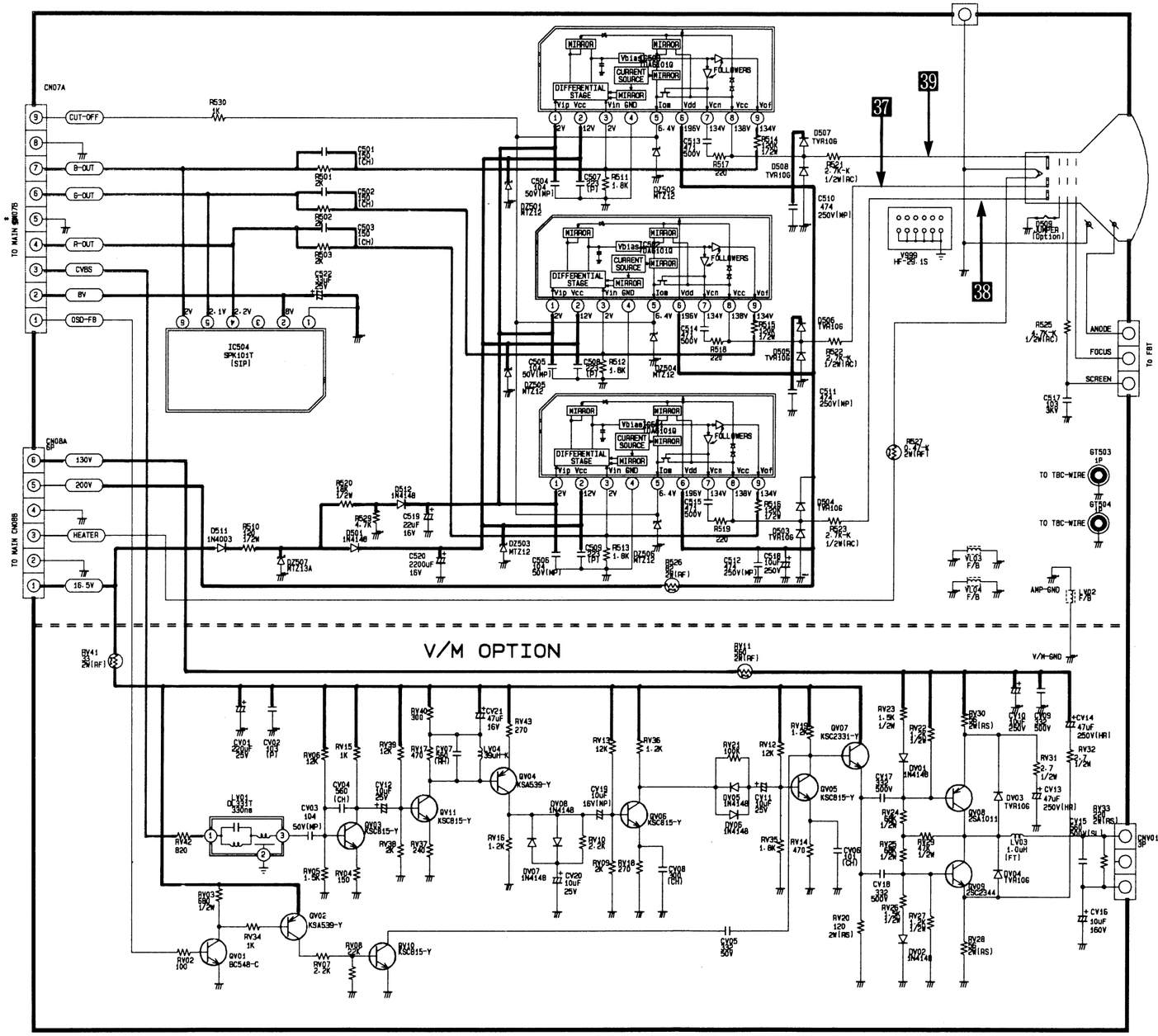
NOTE

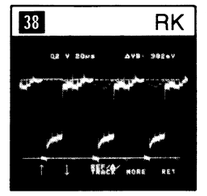
The circuits are subject to change without notice to improve the picture quality.

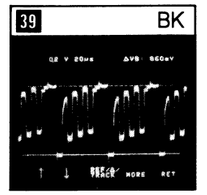
RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement. Wire	(RW)
Network	(RN)

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

——— : Power Line ——— : Signal Line







CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PWU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RW)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

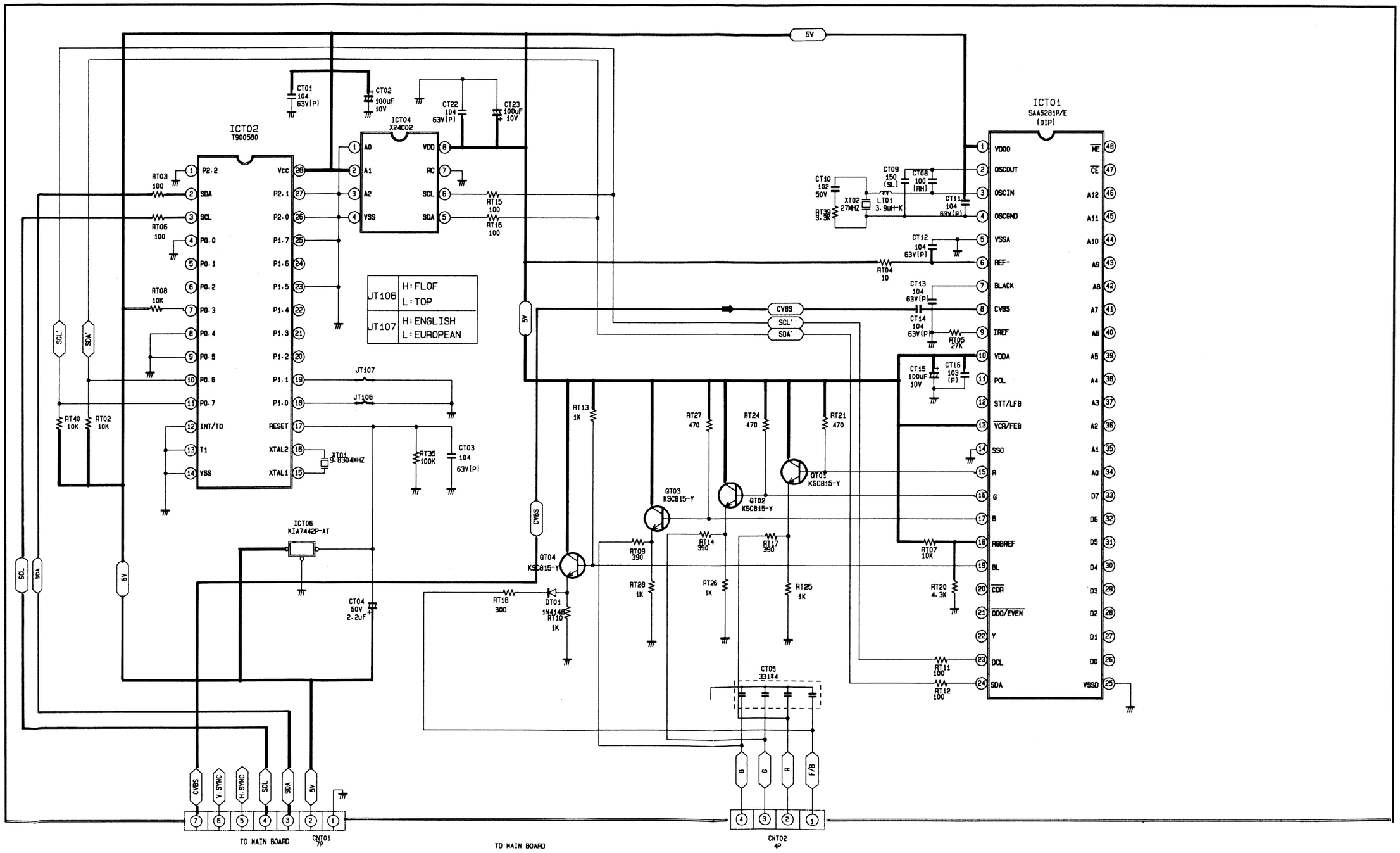
EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than 1 in mH.

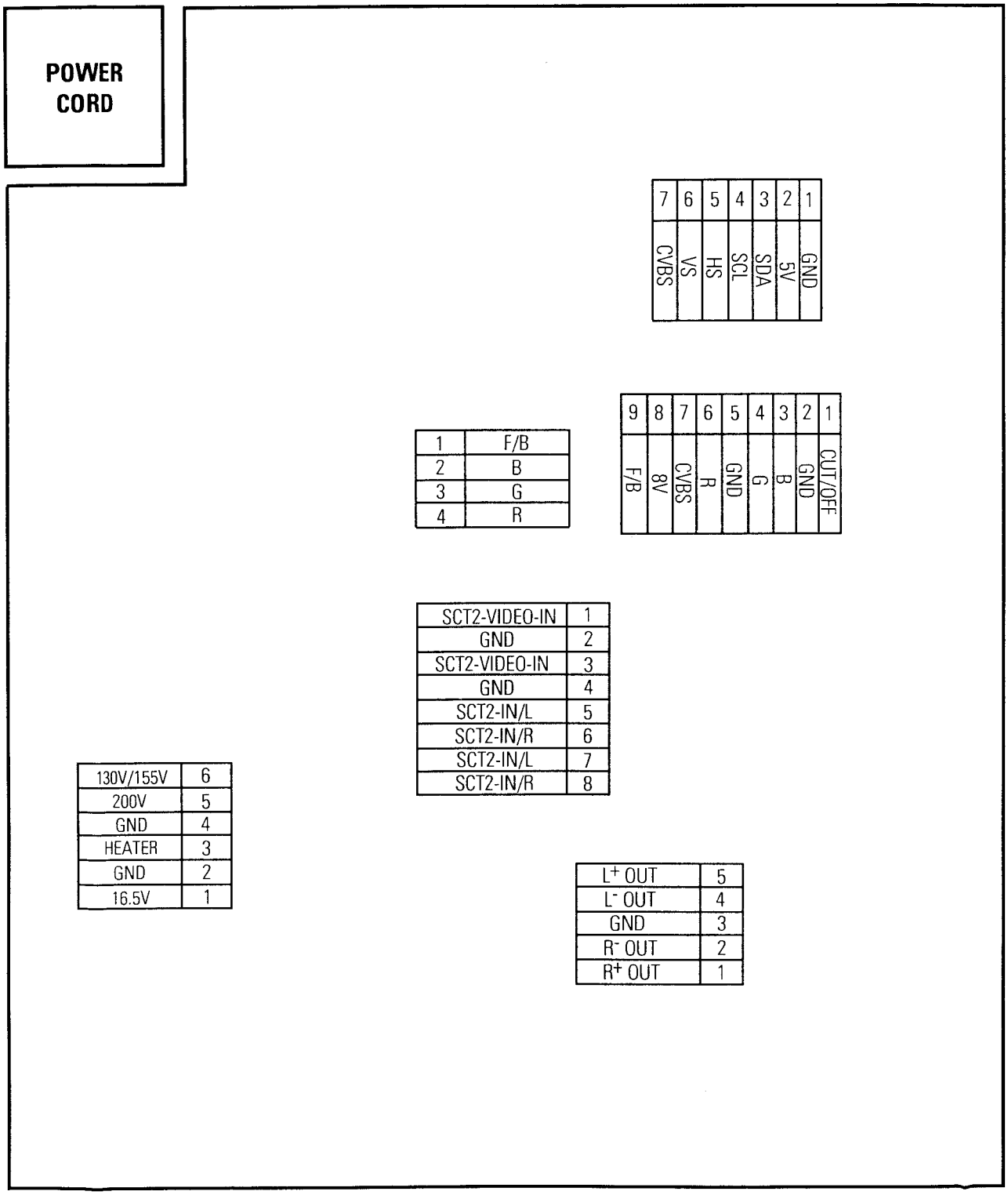
NOTE

The circuits are subject to change without notice to improve the picture quality.

———— : Power Line


ICT01
SAA5281P/E
(DIP)
ICT02
T900580
ICT04
X24C02
ICT06
KIA7442P-AT
5V
CVBS
SCL'
SDA'
JT106
H:FLOF
L:TOP
JT107
H:ENGLISH
L:EUROPEAN
TO MAIN BOARD
CNT01
7P
CNT02
4P
: Power Line
Signal Line

10. Wiring Diagram



Memo

Memo

Memo